

## DF39

48UGW39NRN19011

NAZWA HANDLOWA: DF39, SILVER 39, ROLL 39, KOMFORT, URSA KOMFORT, URSA  
DF 39 SILVER, DF39 SILVER, HOME39

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# DEKLARACJA WŁAŚCIWOŚCI UŻYTKOWYCH

Nr

48UGW39NRN19011



**1. Niepowtarzalny kod identyfikacyjny typu wyrobu:**

DF39 MW-EN 13162-T2-MU1

**2. Zamierzone zastosowanie lub zastosowania:**

Izolacja cieplna w budownictwie

**3. Producent:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. System(-y) oceny i weryfikacji stałości właściwości użytkowych:**

System 3, reakcja na ogień System 1

**5. Norma zharmonizowana:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Jednostka lub jednostki notyfikowane:**

Nr 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMPA)

**6. Deklarowane właściwości użytkowe:**

| Podstawowa charakterystyka |                                                                                  |                                                           |                                             | Spełnienie                                           | Zharmonizowana specyfikacja techniczna         |
|----------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------|------------------------------------------------------|------------------------------------------------|
| 6.1                        | Reakcja na ogień                                                                 | Reakcja na ogień                                          | Euroklasy                                   | A1                                                   | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                        | Uwalnianie się substancji niebezpiecznych do środowiska wewnętrznego             | Uwalnianie substancji niebezpiecznych                     | Metoda zharmonizowana nie została określona | NPD                                                  |                                                |
| 6.3                        | Wskaźnik pochłaniania dźwięku                                                    | Pochłanianie dźwięku                                      | AP, AW                                      | NPD                                                  |                                                |
| 6.4                        | Wskaźnik izolacyjności od dźwięków uderzeniowych (dla podłóg)                    | Szywność dynamiczna                                       | SD                                          | NPD                                                  |                                                |
|                            |                                                                                  | Grubość dL                                                | dL                                          | NPD                                                  |                                                |
|                            |                                                                                  | Ściśliwość                                                | CP                                          | NPD                                                  |                                                |
|                            |                                                                                  | Opór przepływu powietrza                                  | AFr                                         | NPD                                                  |                                                |
| 6.5                        | Wskaźnik izolacyjności od dźwięków powietrznych przenoszonych drogą bezpośrednią | Opór przepływu powietrza                                  | AFr                                         | NPD                                                  |                                                |
| 6.6                        | Ciągłe spalanie w postaci żarzenia                                               | Ciągłe spalanie w postaci żarzenia                        | Metoda zharmonizowana nie została określona | NPD                                                  |                                                |
| 6.7                        | Opór cieplny                                                                     | Deklarowany współczynnik przewodzenia $\lambda_D$ [W/m*K] | Nominalna grubość $d_N$ [mm]                | Deklarowany opór cieplny $R_D$ [m <sup>2</sup> *K/W] |                                                |
|                            |                                                                                  | 0,039                                                     | 40                                          | 1,00                                                 |                                                |
|                            |                                                                                  |                                                           | 45                                          | 1,15                                                 |                                                |
|                            |                                                                                  |                                                           | 50                                          | 1,25                                                 |                                                |
|                            |                                                                                  |                                                           | 60                                          | 1,50                                                 |                                                |
|                            |                                                                                  |                                                           | 70                                          | 1,75                                                 |                                                |
|                            |                                                                                  |                                                           | 80                                          | 2,05                                                 |                                                |
|                            |                                                                                  |                                                           | 95                                          | 2,40                                                 |                                                |

|         |                                                                                              |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |                                         |                                                         |
|---------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
| 6.7     | Opór cieplny                                                                                 | Deklarowany współczynnik przewodzenia $\lambda_D$ [W/m*K]                                                                                                                                                                                        | Nominalna grubość $d_N$ [mm]                                                                                                                                                                                                                                  | Deklarowany opór cieplny $R_D$ [m²*K/W] | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
|         |                                                                                              | 0,039                                                                                                                                                                                                                                            | 100                                                                                                                                                                                                                                                           | 2,55                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 120                                                                                                                                                                                                                                                           | 3,05                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 140                                                                                                                                                                                                                                                           | 3,55                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 150                                                                                                                                                                                                                                                           | 3,80                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 160                                                                                                                                                                                                                                                           | 4,10                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 180                                                                                                                                                                                                                                                           | 4,60                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 195                                                                                                                                                                                                                                                           | 5,00                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 200                                                                                                                                                                                                                                                           | 5,10                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 220                                                                                                                                                                                                                                                           | 5,60                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  | 240                                                                                                                                                                                                                                                           | 6,15                                    |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |                                         |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |                                         |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |                                         |                                                         |
|         |                                                                                              |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |                                         |                                                         |
| Grubość | Tolerancja grubości T                                                                        | T2                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                               |                                         |                                                         |
| 6.8     | Przepuszczalność wody                                                                        | Długotrwała nasiąkliwość wodą                                                                                                                                                                                                                    | WL(P)                                                                                                                                                                                                                                                         | NPD                                     |                                                         |
| 6.9     | Przepuszczalność pary wodnej                                                                 | Przenikanie pary wodnej                                                                                                                                                                                                                          | MU                                                                                                                                                                                                                                                            | 1                                       |                                                         |
| 6.10    | Wytrzymałość na ściskanie                                                                    | Naprężenia ściskające lub wytrzymałość na ściskanie                                                                                                                                                                                              | CS                                                                                                                                                                                                                                                            | NPD                                     |                                                         |
|         |                                                                                              | Obciążenie punktowe                                                                                                                                                                                                                              | PL                                                                                                                                                                                                                                                            | NPD                                     |                                                         |
| 6.11    | Trwałość reakcji na ogień w funkcji ciepła, warunków atmosferycznych, starzenia / degradacji | Właściwości użytkowe reakcji na ogień dla wyrobów z wełny mineralnej nie pogarszają się w czasie. Klasyfikacja wyrobu według Euroklas jest związana z zawartością części organicznych, które nie mogą zwiększać się w czasie<br><br>Euroklasa A1 |                                                                                                                                                                                                                                                               |                                         |                                                         |
| 6.12    | Trwałość oporu cieplnego w funkcji ciepła, warunków atmosferycznych, starzenia / degradacji  | Opór cieplny - współczynnik przewodzenia ciepła                                                                                                                                                                                                  | Współczynnik przewodzenia ciepła wyrobów z wełny mineralnej nie zmienia się w czasie, doświadczenie wykazało stabilność struktury włókien, a pory nie zawierają żadnych innych gazów, niż powietrze atmosferyczne.<br><br>Deklarowane poziomy patrz punkt 6.7 |                                         |                                                         |
|         |                                                                                              | Trwałość właściwości                                                                                                                                                                                                                             | DS (70,-)                                                                                                                                                                                                                                                     | NPD                                     |                                                         |
| 6.13    | Wytrzymałość na rozciąganie / zginanie                                                       | Wytrzymałość na rozciąganie prostopadłe do powierzchni czołowych                                                                                                                                                                                 | TR                                                                                                                                                                                                                                                            | NPD                                     |                                                         |
| 6.14    | Trwałość wytrzymałości na ściskanie w funkcji starzenia / degradacji                         | Pękanie przy ściskaniu                                                                                                                                                                                                                           | CC                                                                                                                                                                                                                                                            | NPD                                     |                                                         |

**Właściwości użytkowe określonego powyżej wyrobu są zgodne z zestawem deklarowanych właściwości użytkowych. Niniejsza deklaracja właściwości użytkowych wydana zostaje zgodnie z rozporządzeniem (UE) nr 305/2011 na wyłączną odpowiedzialność producenta określonego powyżej.**

W imieniu producenta podpisał(a):

Dąbrowa Górnicza 09.01.2019

URSA Polska Sp. z o.o.  
Dyrektor Zakładu  
*[Podpis]*  
Dyrektor Zakładu

**DECLARATION OF PERFORMANCE**

No

48UGW39NRN19011

**1. Unique identification code of the product-type:**

DF39 MW-EN 13162-T2-MU1

**2. Intended use/es:**

Thermal insulation for building

**3. Manufacturer:**

URSA Polska Sp. z o.o.  
 ul. Armii Krajowej 12  
 42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. System/s of AVCP:**

SYSTEM 3, reaction to fire SYSTEM 1

**5. Harmonised standard:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Notified body/ies:**

No 0672  
 Materialprüfungsanstalt Universität Stuttgart  
 MPA Stuttgart, Otto-Graf-Institut (FMPA)

**6. Declared performance/s:**

| Essential characteristics |                                                           |                                                   |                                              | Performance                                             | Harmonized technical specification             |
|---------------------------|-----------------------------------------------------------|---------------------------------------------------|----------------------------------------------|---------------------------------------------------------|------------------------------------------------|
| 6.1                       | Reaction to fire                                          | Reaction to fire                                  | Euroclasses                                  | A1                                                      | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                       | Release of dangerous substances to the indoor environment | Release of dangerous substances                   | Harmonization method has not been determined | NPD                                                     |                                                |
| 6.3                       | Acoustic absorption index                                 | Sound absorption                                  | AP, AW                                       | NPD                                                     |                                                |
| 6.4                       | Impact noise transmission index (for floors)              | Dynamic stiffness                                 | SD                                           | NPD                                                     |                                                |
|                           |                                                           | Thickness dL                                      | dL                                           | NPD                                                     |                                                |
|                           |                                                           | Compressibility                                   | CP                                           | NPD                                                     |                                                |
|                           |                                                           | Air flow resistivity                              | AFr                                          | NPD                                                     |                                                |
| 6.5                       | Direct airborne sound insulation index                    | Air flow resistivity                              | AFr                                          | NPD                                                     |                                                |
| 6.6                       | Continuous glowing combustion                             | Continuous glowing combustion                     | Harmonization method has not been determined | NPD                                                     |                                                |
|                           |                                                           | Declared thermal conductivity $\lambda_D$ [W/m*K] | Nominal thickness $d_N$ [mm]                 | Declared thermal resistance $R_D$ [m <sup>2</sup> *K/W] |                                                |
|                           |                                                           |                                                   | 40                                           | 1,00                                                    |                                                |
|                           |                                                           |                                                   | 45                                           | 1,15                                                    |                                                |
|                           |                                                           |                                                   | 50                                           | 1,25                                                    |                                                |
|                           |                                                           |                                                   | 60                                           | 1,50                                                    |                                                |
|                           |                                                           |                                                   | 70                                           | 1,75                                                    |                                                |
|                           |                                                           |                                                   | 80                                           | 2,05                                                    |                                                |

|           |                                                                               |                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |      |
|-----------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 6.7       | Thermal resistance                                                            | 0,039                                                                                                                                                                                                   | 95                                                                                                                                                                                                                                       | 2,40 |
|           |                                                                               |                                                                                                                                                                                                         | 100                                                                                                                                                                                                                                      | 2,55 |
|           |                                                                               |                                                                                                                                                                                                         | 120                                                                                                                                                                                                                                      | 3,05 |
|           |                                                                               |                                                                                                                                                                                                         | 140                                                                                                                                                                                                                                      | 3,55 |
|           |                                                                               |                                                                                                                                                                                                         | 150                                                                                                                                                                                                                                      | 3,80 |
|           |                                                                               |                                                                                                                                                                                                         | 160                                                                                                                                                                                                                                      | 4,10 |
|           |                                                                               |                                                                                                                                                                                                         | 180                                                                                                                                                                                                                                      | 4,60 |
|           |                                                                               |                                                                                                                                                                                                         | 195                                                                                                                                                                                                                                      | 5,00 |
|           |                                                                               |                                                                                                                                                                                                         | 200                                                                                                                                                                                                                                      | 5,10 |
|           |                                                                               |                                                                                                                                                                                                         | 220                                                                                                                                                                                                                                      | 5,60 |
|           |                                                                               |                                                                                                                                                                                                         | 240                                                                                                                                                                                                                                      | 6,15 |
|           |                                                                               |                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |      |
|           |                                                                               |                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |      |
|           |                                                                               |                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |      |
| Thickness |                                                                               | Thickness tolerance T                                                                                                                                                                                   | T2                                                                                                                                                                                                                                       |      |
| 6.8       | Water permeability                                                            | Long-lasting water absorption                                                                                                                                                                           | WL(P)                                                                                                                                                                                                                                    | NPD  |
| 6.9       | Water vapour permeability                                                     | Water vapour transmission                                                                                                                                                                               | MU                                                                                                                                                                                                                                       | 1    |
| 6.10      | Compressive strength                                                          | Compressive stress or compressive strength                                                                                                                                                              | CS                                                                                                                                                                                                                                       | NPD  |
|           |                                                                               | Point load                                                                                                                                                                                              | PL                                                                                                                                                                                                                                       | NPD  |
| 6.11      | Durability of reaction to fire against heat, weathering, ageing/degradation   | The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time<br><br>Euroclass A1 |                                                                                                                                                                                                                                          |      |
| 6.12      | Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance and thermal conductivity                                                                                                                                                             | Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air<br><br>Declared levels refer to section 6.7 |      |
|           |                                                                               | Durability characteristics                                                                                                                                                                              | DS (70,-)                                                                                                                                                                                                                                | NPD  |
| 6.13      | Tensile / Flexural strenght                                                   | Tensile strength perpendicular to faces                                                                                                                                                                 | TR                                                                                                                                                                                                                                       | NPD  |
| 6.14      | Durability of compressive strength against ageing/ degradation                | Compressive creep                                                                                                                                                                                       | CC                                                                                                                                                                                                                                       | NPD  |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

**The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.**

Signed for and on behalf of the manufacturer by:

Dąbrowa Górnicza 09.01.2019

URSA Polska Sp. z o.o.  
Plant Manager  
Dyrektor Zakładu

# LEISTUNGSERKLÄRUNG

48UGW39NRN19011

Nr.



**1. Eindeutiger Kenncode des Produkttyps:**

DF39 MW-EN 13162-T2-MU1

**2. Verwendungszweck(e):**

Wärmedämmstoffe für Gebäude

**3. Hersteller:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit:**

SYSTEM 3,brandverhalten SYSTEM 1

**5. Harmonisierte Norm:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Notifizierte Stelle(n):**

Nr. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMPA)

**6. Erklärte Leistung(en):**

| Wesentliche Merkmale |                                                              |                                                    |                                                  | Leistung                                                          | Harmonisierte technische Spezifikation                  |
|----------------------|--------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|
| 6.1                  | Brandverhalten                                               | Brandverhalten                                     | Euroklasse                                       | A1                                                                | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
| 6.2                  | Freisetzung gefährlicher Stoffe, Abgabe in das Gebäudeinnere | Freisetzung gefährlicher Stoffe                    | Bisher keine harmonisierte Prüfmethode verfügbar | NPD                                                               |                                                         |
| 6.3                  | Schallabsorptionsgrad                                        | Schallabsorption                                   | AP, AW                                           | NPD                                                               |                                                         |
| 6.4                  | Trittschallübertragung ( für Böden)                          | Dynamische Steifigkeit                             | SD                                               | NPD                                                               |                                                         |
|                      |                                                              | Dicke dL                                           | dL                                               | NPD                                                               |                                                         |
|                      |                                                              | Zusammendrückbarkeit                               | CP                                               | NPD                                                               |                                                         |
|                      |                                                              | Strömungswiderstand                                | AFr                                              | NPD                                                               |                                                         |
| 6.5                  | Luftschalldämm-Maß                                           | Strömungswiderstand                                | AFr                                              | NPD                                                               |                                                         |
| 6.6                  | Glimmverhalten                                               | Glimmverhalten                                     | Bisher keine harmonisierte Prüfmethode verfügbar | NPD                                                               |                                                         |
|                      |                                                              | Deklarierte Wärmeleitfähigkeit $\lambda_D$ [W/m*K] | Neendicke $d_N$ [mm]                             | Deklariertes Wärmedurchlasswiderstand $R_D$ [m <sup>2</sup> *K/W] |                                                         |
|                      |                                                              |                                                    | 40                                               | 1,00                                                              |                                                         |
|                      |                                                              |                                                    | 45                                               | 1,15                                                              |                                                         |
|                      |                                                              |                                                    | 50                                               | 1,25                                                              |                                                         |
|                      |                                                              |                                                    | 60                                               | 1,50                                                              |                                                         |
|                      |                                                              |                                                    | 70                                               | 1,75                                                              |                                                         |
|                      |                                                              |                                                    | 80                                               | 2,05                                                              |                                                         |

|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                  |
|------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 6.7  | Wärmedurchlasswiderstand                                                                                       | 0,039                                                                                                                                                                                                                                                   | 95                                                                                                                                                                                                                                                                       | 2,40             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 100                                                                                                                                                                                                                                                                      | 2,55             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 120                                                                                                                                                                                                                                                                      | 3,05             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 140                                                                                                                                                                                                                                                                      | 3,55             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 150                                                                                                                                                                                                                                                                      | 3,80             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 160                                                                                                                                                                                                                                                                      | 4,10             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 180                                                                                                                                                                                                                                                                      | 4,60             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 195                                                                                                                                                                                                                                                                      | 5,00             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 200                                                                                                                                                                                                                                                                      | 5,10             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 220                                                                                                                                                                                                                                                                      | 5,60             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | 240                                                                                                                                                                                                                                                                      | 6,15             |
|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                  |
|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                  |
|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                  |
|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |                  |
|      |                                                                                                                |                                                                                                                                                                                                                                                         | Dicke                                                                                                                                                                                                                                                                    | Dickentoleranz T |
|      |                                                                                                                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          | T2               |
| 6.8  | Wasserdurchlässigkeit                                                                                          | Lang anhaltende Wasseraufnahme                                                                                                                                                                                                                          | WL(P)                                                                                                                                                                                                                                                                    | NPD              |
| 6.9  | Wasserdampfdurchlässigkeit                                                                                     | Wasserdampfdiffusion                                                                                                                                                                                                                                    | MU                                                                                                                                                                                                                                                                       | 1                |
| 6.10 | Druckfestigkeit                                                                                                | Druckspannung oder Druckfestigkeit                                                                                                                                                                                                                      | CS                                                                                                                                                                                                                                                                       | NPD              |
|      |                                                                                                                | Punktlast                                                                                                                                                                                                                                               | PL                                                                                                                                                                                                                                                                       | NPD              |
| 6.11 | Dauerhaftigkeit des Brandverhaltens unter Einfluss von Wärme, Witterungseinflüssen, Alterung/ Abbau            | Das Verhalten von Mineralwolle bei Brandeinwirkung verschlechtert sich nicht mit der Zeit. Die Euroklassen- Einteilung des Produkts bezieht sich auf den Gehalt an organischen Bestandteilen, der sich mit der Zeit nicht erhöht.<br><br>Euroklassen A1 |                                                                                                                                                                                                                                                                          |                  |
| 6.12 | Dauerhaftigkeit des Wärmedurchlasswiderstandes unter Einfluss von Wärme, Witterungseinflüssen, Alterung/ Abbau | Wärmedurchlasswiderstand und Wärmeleitfähigkeit                                                                                                                                                                                                         | Die Wärmeleitfähigkeit von Produkten aus Mineralwolle verändert sich nicht mit der Zeit. Erfahrungen haben gezeigt, dass die Faserstruktur stabil bleibt und das relative Porenvolumen keine anderen Gase als Luft enthält.<br><br>Deklarierte Werte siehe Abschnitt 6.7 |                  |
|      |                                                                                                                | Dimensionsstabilität                                                                                                                                                                                                                                    | DS (70,-)                                                                                                                                                                                                                                                                | NPD              |
| 6.13 | Zug-/ Biegefestigkeit                                                                                          | Zugfestigkeit senkrecht zur Plattenebene                                                                                                                                                                                                                | TR                                                                                                                                                                                                                                                                       | NPD              |
| 6.14 | Dauerhaftigkeit der Druckfestigkeit unter Einfluss von Alterung/ Abbau                                         | Langzeit- Kriechverhalten bei Druckbeanspruchung                                                                                                                                                                                                        | CC                                                                                                                                                                                                                                                                       | NPD              |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

**Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich.**

Unterzeichnet für den Hersteller und im Namen des Herstellers von:

Betriebsleiter

Dąbrowa Górnicza 09.01.2019

h. h. h. Sp. z o.o.  
Marek Bedkowski  
Dyrektor Zakładu

**PROHLÁŠENÍ O VLASTNOSTECH**

48UGW39NRN19011

Nr.

**1. Jedinečný identifikační kód výrobku:**

DF39 MW-EN 13162-T2-MU1

**2. Určené použití:**

Tepelněizolační výrobky pro budovy

**3. Výrobce:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Systém nebo systémy posuzování a ověřování stálosti vlastností:**

Systém 3, reakce na oheň Systém 1

**5. Harmonizovaná norma:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Oznámený subjekt nebo oznámené subjekty:**

Nr. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

**6. Deklarované vlastnosti:**

| Základní charakteristika |                                                      |                                                              |                                    | Dodržení                                              | Harmonizovaná technická specifikace            |
|--------------------------|------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-------------------------------------------------------|------------------------------------------------|
| 6.1                      | Reakce na oheň                                       | Reakce na oheň                                               | Eurotřídy                          | A1                                                    | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                      | Uvolňování nebezpečných látek do vnitřního prostředí | Uvolňování nebezpečných látek                                | Harmonizovaná metoda nebyla určena | NPD                                                   |                                                |
| 6.3                      | Index zvukové pohltivosti                            | Zvuková pohltivost                                           | AP, AW                             | NPD                                                   |                                                |
| 6.4                      | Index kročejové neprůzvučnosti (u podlah)            | Dynamická tuhost                                             | SD                                 | NPD                                                   |                                                |
|                          |                                                      | Tloušťka, dL                                                 | dL                                 | NPD                                                   |                                                |
|                          |                                                      | Stlačitelnost                                                | CP                                 | NPD                                                   |                                                |
|                          |                                                      | Odpor proti proudění vzduchu                                 | AFr                                | NPD                                                   |                                                |
| 6.5                      | Index vzduchové neprůzvučnosti                       | Odpor proti proudění vzduchu                                 | AFr                                | NPD                                                   |                                                |
| 6.6                      | Hoření prostupujícím žhnutím                         | Hoření prostupujícím žhnutím                                 | Harmonizovaná metoda nebyla určena | NPD                                                   |                                                |
|                          |                                                      | Deklarovaný součinitel tepelné vodivosti $\lambda_D$ [W/m*K] | Nominální tloušťka $d_N$ [mm]      | Deklarovaný tepelný odpor $R_D$ [m <sup>2</sup> *K/W] |                                                |
|                          |                                                      |                                                              | 40                                 | 1,00                                                  |                                                |
|                          |                                                      |                                                              | 45                                 | 1,15                                                  |                                                |
|                          |                                                      |                                                              | 50                                 | 1,25                                                  |                                                |
|                          |                                                      |                                                              | 60                                 | 1,50                                                  |                                                |
|                          |                                                      |                                                              | 70                                 | 1,75                                                  |                                                |
|                          |                                                      |                                                              | 80                                 | 2,05                                                  |                                                |

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| 6.7 | Tepelný odpor | 0,039 | 95  | 2,40 |
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|     |               |       | 180 | 4,60 |
|     |               |       | 195 | 5,00 |
|     |               |       | 200 | 5,10 |
|     |               |       | 220 | 5,60 |
|     |               |       | 240 | 6,15 |
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**Vlastnosti zde uvedeného výrobku jsou ve shodě s deklarovanými vlastnostmi. Toto prohlášení o vlastnostech se vydává v souladu s nařízením (EU) č. 305/2011 na výhradní odpovědnost zde uvedeného výrobce.**

Jménem výrobce podepsal/a:

Dąbrowa Górnicza 09.01.2019

URSA Polska Sp. z o.o.  
*[Signature]*  
generální ředitel  
Dyktor Zakładu

**VYHLÁSENIE O PARAMETROCH**

48UGW39NRN19011

č.

**1. Jedinečný identifikačný kód typu výrobku:**

DF39 MW-EN 13162-T2-MU1

**2. Zamýšľané použitie/použitia:**

Tepelnoizolačné výrobky pre budovy

**3. Výrobca:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Systém(-y) posudzovania a overovania nemennosti parametrov:**

Systém 3, reakcia na oheň Systém 1

**5. Harmonizovaná norma:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Notifikovaný(-é) subjekt(-y):**

č. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

**6. Deklarované parametre:**

| Základná charakteristika |                                                         |                                                              |                                    | Dodržanie                                             | Harmonizovaná technická špecifikácia                    |
|--------------------------|---------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-------------------------------------------------------|---------------------------------------------------------|
| 6.1                      | Reakcia na oheň                                         | Reakcia na oheň                                              | Euroclass                          | A1                                                    | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
| 6.2                      | Uvoľňovanie nebezpečných látok do vnútorného prostredia | Uvoľňovanie nebezpečných látok                               | Harmonizovaná metóda nebola určená | NPD                                                   |                                                         |
| 6.3                      | Index zvukovej pohltivosti                              | Zvuková pohltivosť                                           | AP, AW                             | NPD                                                   |                                                         |
| 6.4                      | Index prenosu krokového hluku (pre podlahy)             | Dynamická tuhosť                                             | SD                                 | NPD                                                   |                                                         |
|                          |                                                         | Hrúbka, dL                                                   | dL                                 | NPD                                                   |                                                         |
|                          |                                                         | Stlačiteľnosť                                                | CP                                 | NPD                                                   |                                                         |
|                          |                                                         | Odpor prúdenia vzduchu                                       | AFr                                | NPD                                                   |                                                         |
| 6.5                      | Index vzduchovej nepriezvučnosti                        | Odpor proti prúdeniu vzduchu                                 | AFr                                | NPD                                                   |                                                         |
| 6.6                      | Pokračujúce horenie žeravením                           | Pokračujúce horenie žeravením                                | Harmonizovaná metóda nebola určená | NPD                                                   |                                                         |
|                          |                                                         | Deklarovaný súčiniteľ tepelnej vodivosti $\lambda_D$ [W/m*K] | Nominálna hrúbka $d_N$ [mm]        | Deklarovaný tepelný odpor $R_D$ [m <sup>2</sup> *K/W] |                                                         |
|                          |                                                         |                                                              | 40                                 | 1,00                                                  |                                                         |
|                          |                                                         |                                                              | 45                                 | 1,15                                                  |                                                         |
|                          |                                                         |                                                              | 50                                 | 1,25                                                  |                                                         |
|                          |                                                         |                                                              | 60                                 | 1,50                                                  |                                                         |
|                          |                                                         |                                                              | 70                                 | 1,75                                                  |                                                         |
|                          |                                                         |                                                              | 80                                 | 2,05                                                  |                                                         |

|      |                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                     |
|------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 6.7  | Tepelný odpor                                                                         | 0,039                                                                                                                                                                                 | 95                                                                                                                                                                                                                       | 2,40                |
|      |                                                                                       |                                                                                                                                                                                       | 100                                                                                                                                                                                                                      | 2,55                |
|      |                                                                                       |                                                                                                                                                                                       | 120                                                                                                                                                                                                                      | 3,05                |
|      |                                                                                       |                                                                                                                                                                                       | 140                                                                                                                                                                                                                      | 3,55                |
|      |                                                                                       |                                                                                                                                                                                       | 150                                                                                                                                                                                                                      | 3,80                |
|      |                                                                                       |                                                                                                                                                                                       | 160                                                                                                                                                                                                                      | 4,10                |
|      |                                                                                       |                                                                                                                                                                                       | 180                                                                                                                                                                                                                      | 4,60                |
|      |                                                                                       |                                                                                                                                                                                       | 195                                                                                                                                                                                                                      | 5,00                |
|      |                                                                                       |                                                                                                                                                                                       | 200                                                                                                                                                                                                                      | 5,10                |
|      |                                                                                       |                                                                                                                                                                                       | 220                                                                                                                                                                                                                      | 5,60                |
|      |                                                                                       |                                                                                                                                                                                       | 240                                                                                                                                                                                                                      | 6,15                |
|      |                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                     |
|      |                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                     |
|      |                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                     |
|      |                                                                                       |                                                                                                                                                                                       | Hrúbka                                                                                                                                                                                                                   | Tolerancia hrúbky T |
|      |                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                          | T2                  |
| 6.8  | Priepustnosť vody                                                                     | Dlhotrvajúca nasiakavosť vody                                                                                                                                                         | WL(P)                                                                                                                                                                                                                    | NPD                 |
| 6.9  | Priepustnosť vodnej pary                                                              | Priepustnosť vodnej pary                                                                                                                                                              | MU                                                                                                                                                                                                                       | 1                   |
| 6.10 | Pevnosť v tlaku                                                                       | Napätie v tlaku alebo pevnosť v tlaku                                                                                                                                                 | CS                                                                                                                                                                                                                       | NPD                 |
|      |                                                                                       | Bodové zaťaženie                                                                                                                                                                      | PL                                                                                                                                                                                                                       | NPD                 |
| 6.11 | Trvanlivosť reakcie na oheň pri pôsobení teploty, poveternosti, starnutia/degradácie  | Požiarne vlastnosti minerálnej vlny sa časom nezhoršujú. Klasifikácia reakcie na oheň (eurotrieda) sa vzťahuje na organický obsah, ktorý sa nemôže časom zvýšiť.<br><br>Eurotrieda A1 |                                                                                                                                                                                                                          |                     |
| 6.12 | Trvanlivosť tepelného odporu pri pôsobení teploty, poveternosti, starnutia/degradácie | Tepelný odpor a tepelná vodivosť                                                                                                                                                      | Tepelná vodivosť výrobkov z minerálnej vlny sa časom nemení, skúsenosť preukázala, že vláknitá štruktúra je stabilná a póry neobsahujú iné plyny okrem atmosférického vzduchu.<br><br>Deklarované úrovne, pozri časť 6.7 |                     |
|      |                                                                                       | Rozmerová stálosť                                                                                                                                                                     | DS (70,-)                                                                                                                                                                                                                | NPD                 |
| 6.13 | Pevnosť v ťahu/pri ohybe                                                              | Pevnosť v ťahu kolmo na rovinu                                                                                                                                                        | TR                                                                                                                                                                                                                       | NPD                 |
| 6.14 | Trvanlivosť pevnosti v tlaku pri starnutí a degradácii                                | Dotvorenie stlačením                                                                                                                                                                  | CC                                                                                                                                                                                                                       | NPD                 |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

**Uvedené parametre výrobku sú v zhode so súborom deklarovaných parametrov. Toto vyhlásenie o parametroch sa v súlade s nariadením (EÚ) č. 305/2011 vydáva na výhradnú zodpovednosť uvedeného výrobcu.**

Podpísal(-a) za a v mene výrobcu:

Generálny riaditeľ

URSA Polska Sp. z o.o.  
Marek Bedkowski  
Dyrektor Zakładu

Dąbrowa Górnicza 09.01.2019

# **DÉCLARATION DES PERFORMANCES**

n°

48UGW39NRN19011



## **1. Code d'identification unique du produit type:**

**DF39 MW-EN 13162-T2-MU1**

## **2. Usage(s) prévu(s):**

Isolation thermique du bâtiment

## **3. Fabricant:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

## **4. Système(s) d'évaluation et de vérification de la constance des performances:**

Système 3, réaction au feu Système 1

## **5. Norme harmonisée:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

## **Organisme(s) notifié(s):**

n° 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMPA)

## **6. Performance(s) déclarée(s):**

| Caractéristiques essentielles |                                                                 |                                                     |                                           | Performances         | Spécification technique harmonisée             |
|-------------------------------|-----------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|----------------------|------------------------------------------------|
| 6.1                           | Réaction au feu                                                 | Réaction au feu                                     | Euroclasses                               | A1                   | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                           | Emissions de substances dangereuses à l'intérieur des bâtiments | Emissions de substances dangereuses                 | Méthode harmonisée n'a pas été déterminée | NPD                  |                                                |
| 6.3                           | Indice d'absorption acoustique                                  | Absorption acoustique                               | AP, AW                                    | NPD                  |                                                |
| 6.4                           | Indice de transmission des bruits d'impact (pour les sols)      | Raideur dynamique                                   | SD                                        | NPD                  |                                                |
|                               |                                                                 | Epaisseur, dL                                       | dL                                        | NPD                  |                                                |
|                               |                                                                 | Compressibilité                                     | CP                                        | NPD                  |                                                |
|                               |                                                                 | Résistance au flux d'air                            | AFr                                       | NPD                  |                                                |
| 6.5                           | Indice d'isolement aux bruits aériens directs                   | Résistance au flux d'air                            | AFr                                       | NPD                  |                                                |
| 6.6                           | Combustion avec incandescence continue                          | Combustion avec incandescence continue              | Méthode harmonisée n'a pas été déterminée | NPD                  |                                                |
|                               |                                                                 | Conductivité thermique déclarée $\lambda_D$ [W/m*K] | Epaisseur nominale $d_N$ [mm]             | déclarée RD [m²*K/W] |                                                |
|                               |                                                                 |                                                     | 40                                        | 1,00                 |                                                |
|                               |                                                                 |                                                     | 45                                        | 1,15                 |                                                |
|                               |                                                                 |                                                     | 50                                        | 1,25                 |                                                |
|                               |                                                                 |                                                     | 60                                        | 1,50                 |                                                |
|                               |                                                                 |                                                     | 70                                        | 1,75                 |                                                |
|                               |                                                                 |                                                     | 80                                        | 2,05                 |                                                |
|                               |                                                                 |                                                     | 95                                        | 2,40                 |                                                |

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|-----|----------------------|-------|-----|------|---------------------------------------------------------|
| 6.7 | Résistance thermique | 0,039 | 100 | 2,55 | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
|     |                      |       | 120 | 3,05 |                                                         |
|     |                      |       | 140 | 3,55 |                                                         |
|     |                      |       | 150 | 3,80 |                                                         |
|     |                      |       | 160 | 4,10 |                                                         |
|     |                      |       | 180 | 4,60 |                                                         |
|     |                      |       | 195 | 5,00 |                                                         |
|     |                      |       | 200 | 5,10 |                                                         |
|     |                      |       | 220 | 5,60 |                                                         |
|     |                      |       | 240 | 6,15 |                                                         |
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Les performances du produit identifié ci-dessus sont conformes à l'ensemble des performances déclarées. La présente déclaration de performances est délivrée conformément au règlement (UE) n° 305/2011 sous la responsabilité exclusive du fabricant identifié ci-dessus.

Signé pour le fabricant et en son nom:

Directeur de l'établissement

Dąbrowa Górnicza 09.01.2019

URSA Polska Sp. z o.o.  
Błażej Bedkowski  
Dyrektor Zakładu

Nei.

**YTELSESERKLÆRING**  
**48UGW39NRN19011**



**1. Unik identifikasjonskode av produktet-typen:**

**DF39 MW-EN 13162-T2-MU1**

**2. Planlagt bruk:**

Varmeisolering i byggebransjen

**3. Produsent:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. System(er) av AVCP:**

Sistema 3, reaksjon på brann Sistema 1

**5. Harmonisert standard:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Teknisk kontrollorgan(er):**

Nei. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

**6. Oppgitt ytelse(r):**

| Grunnleggende beskrivelse |                                                      |                                             |                                  | Oppfyllelse                                         | Harmonisert teknisk spesifikasjon              |
|---------------------------|------------------------------------------------------|---------------------------------------------|----------------------------------|-----------------------------------------------------|------------------------------------------------|
| 6.1                       | Reaksjon på brann                                    | Reaksjon på brann                           | Euroklasser                      | A1                                                  | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                       | Utslipp av farlige stoffer til innemiljøet           | Utslipp av farlige stoffer                  | Harmonisert metode ikke fastlått | NPD                                                 |                                                |
| 6.3                       | Indeks for lydabsorpsjon                             | Lydabsorpsjon                               | AP, AW                           | NPD                                                 |                                                |
| 6.4                       | Indeks for isoleringsevne mot slaglyd (for gulv)     | Dynamisk stivhet                            | SD                               | NPD                                                 |                                                |
|                           |                                                      | Tykkelse dL                                 | dL                               | NPD                                                 |                                                |
|                           |                                                      | Kompressibilitet                            | CP                               | NPD                                                 |                                                |
|                           |                                                      | Luftmotstand                                | AFr                              | NPD                                                 |                                                |
| 6.5                       | Indeks for isolering mot direkte overførte luftlyder | Luftmotstand                                | AFr                              | NPD                                                 |                                                |
| 6.6                       | Konstant forbrenning i form av gløding               | Konstant forbrenning i form av gløding      | Harmonisert metode ikke fastlått | NPD                                                 |                                                |
|                           |                                                      | Deklarert konduktivitet $\lambda_D$ [W/m*K] | Nominell tykkelse $d_N$ [mm]     | Deklarert varmemotstand $R_D$ [m <sup>2</sup> *K/W] |                                                |
|                           |                                                      |                                             | 40                               | 1,00                                                |                                                |
|                           |                                                      |                                             | 45                               | 1,15                                                |                                                |
|                           |                                                      |                                             | 50                               | 1,25                                                |                                                |
|                           |                                                      |                                             | 60                               | 1,50                                                |                                                |
|                           |                                                      |                                             | 70                               | 1,75                                                |                                                |
|                           |                                                      |                                             | 80                               | 2,05                                                |                                                |
|                           |                                                      |                                             | 95                               | 2,40                                                |                                                |

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| 6.7 | Varmemotstand | 0,039 | 100 | 2,55 | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
|     |               |       | 120 | 3,05 |                                                         |
|     |               |       | 140 | 3,55 |                                                         |
|     |               |       | 150 | 3,80 |                                                         |
|     |               |       | 160 | 4,10 |                                                         |
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Ytelsen til produktet som er identifisert ovenfor er i samsvar med de(n) erklærte ytelsen(e). Denne ytelseserklæringen er utstedt i samsvar med forordning (EF) nr 305/2011, under ansvaret til produsent identifisert ovenfor.

Signert for og på vegne av produsenten av:

Dąbrowa Górnicza 09.01.2019

URSA Polska Sp. z o.o.  
Fabrikkdirigtor  
Dyrekior Zakladu

## PRESTANDEDEKLARATION

Nej.

48UGW39NRN19011



**1. Produkttypens unika identifikationskod:**

DF39 MW-EN 13162-T2-MU1

**2. Avsedd användning/avsedda användningar:**

Värmeisolering i byggnader

**3. Tillverkare:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. System för bedömning och fortlöpande kontroll av prestanda:**

Systemet 3, reaktion vid brandpåverkan Systemet 1

**5. Harmoniserad standard**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Anmält/anmälda organ**

Nej. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMFA)

**6. Angiven prestanda:**

| Grundläggande egenskaper |                                                              |                                                   |                                                | Uppfyllnad                                       | Harmoniserad teknisk specifikation             |
|--------------------------|--------------------------------------------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------------------------|------------------------------------------------|
| 6.1                      | Reaktion vid brandpåverkan                                   | Reaktion vid brandpåverkan                        | Euroklasser                                    | A1                                               | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                      | Utsläpp av farliga ämnen till inomhusmiljön                  | Utsläpp av farliga ämnen                          | Den harmoniserade metoden har inte fastställts | NPD                                              |                                                |
| 6.3                      | Ljudabsorptionskoefficient                                   | Ljudabsorption                                    | AP, AW                                         | NPD                                              |                                                |
| 6.4                      | Indikator för stegljudsisolering (för golv)                  | Dynamisk styvhet                                  | SD                                             | NPD                                              |                                                |
|                          |                                                              | Tjocklek d <sub>L</sub>                           | d <sub>L</sub>                                 | NPD                                              |                                                |
|                          |                                                              | Kompressibilitet                                  | CP                                             | NPD                                              |                                                |
|                          |                                                              | Motståndsnivå för luftflöde                       | AFr                                            | NPD                                              |                                                |
| 6.5                      | Indikator för luftljudsisolering av ljud som överförs direkt | Motståndsnivå för luftflöde                       | AFr                                            | NPD                                              |                                                |
| 6.6                      | Kontinuerlig glödande förbränning                            | Kontinuerlig glödande förbränning                 | Den harmoniserade metoden har inte fastställts | NPD                                              |                                                |
|                          |                                                              | Deklarerad värmekonduktivitet $\lambda_D$ [W/m*K] | Nominell tjocklek d <sub>N</sub> [mm]          | Deklarerat värmemotstånd R <sub>D</sub> [m²*K/W] |                                                |
|                          |                                                              |                                                   | 40                                             | 1,00                                             |                                                |
|                          |                                                              |                                                   | 45                                             | 1,15                                             |                                                |
|                          |                                                              |                                                   | 50                                             | 1,25                                             |                                                |
|                          |                                                              |                                                   | 60                                             | 1,50                                             |                                                |
|                          |                                                              |                                                   | 70                                             | 1,75                                             |                                                |
|                          |                                                              |                                                   | 80                                             | 2,05                                             |                                                |

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| 6.7  | Värmemotstånd                                                                                  | 0,039                                                                                                                                                                                                                                                    | 95                                                                                                                                                                                                                           | 2,40 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 100                                                                                                                                                                                                                          | 2,55 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 120                                                                                                                                                                                                                          | 3,05 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 140                                                                                                                                                                                                                          | 3,55 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 150                                                                                                                                                                                                                          | 3,80 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 160                                                                                                                                                                                                                          | 4,10 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 180                                                                                                                                                                                                                          | 4,60 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 195                                                                                                                                                                                                                          | 5,00 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 200                                                                                                                                                                                                                          | 5,10 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 220                                                                                                                                                                                                                          | 5,60 |
|      |                                                                                                |                                                                                                                                                                                                                                                          | 240                                                                                                                                                                                                                          | 6,15 |
|      |                                                                                                |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                              |      |
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|      |                                                                                                | Tjocklek                                                                                                                                                                                                                                                 | Tjocklekstolerans T                                                                                                                                                                                                          | T2   |
| 6.8  | Vattengenomsläpplighet                                                                         | Långsiktig vattenabsorption                                                                                                                                                                                                                              | WL(P)                                                                                                                                                                                                                        | NPD  |
| 6.9  | Ånggenomsläpplighet                                                                            | Permeabilitet för vattenånga                                                                                                                                                                                                                             | MU                                                                                                                                                                                                                           | 1    |
| 6.10 | Tryckhållfasthet                                                                               | Tryckspänning eller tryckhållfasthet                                                                                                                                                                                                                     | CS                                                                                                                                                                                                                           | NPD  |
|      |                                                                                                | Punktlast                                                                                                                                                                                                                                                | PL                                                                                                                                                                                                                           | NPD  |
| 6.11 | Hållbarhet vid brandpåverkan som en funktion av värme, väderförhållanden, åldring/ nedbrytning | Prestanda för mineralullsprodukter med hänsyn till reaktion vid brandpåverkan försämrar inte över tid. Klassificering av produkten enligt euroklasser är förknippad med innehållet av organiskt material som inte kan öka över tid.<br><br>Euroklasse A1 |                                                                                                                                                                                                                              |      |
| 6.12 | Hållbarhet av värmemotstånd som en funktion av värme, väderförhållanden, åldring/ nedbrytning  | Värmemotstånd- termisk konduktivitet                                                                                                                                                                                                                     | Termisk konduktivitet för mineralullsprodukter förändras inte över tid. Testet har visat stabiliteten av fiberstruktur och porerna innehåller ingen annan gas än atmosfärisk luft.<br><br>Deklarerade nivåer, se avsnitt 6.7 |      |
|      |                                                                                                | Dimensionsstabilitet                                                                                                                                                                                                                                     | DS (70,-)                                                                                                                                                                                                                    | NPD  |
| 6.13 | Draghållfasthet /böjhållfasthet                                                                | Draghållfasthet vinkelrät mot ytorna                                                                                                                                                                                                                     | TR                                                                                                                                                                                                                           | NPD  |
| 6.14 | Tryckhållfasthet som en funktion av åldring /nedbrytning                                       | Tryckkrypning                                                                                                                                                                                                                                            | CC                                                                                                                                                                                                                           | NPD  |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

**Prestandan för ovanstående produkt överensstämmer med den angivna prestandan. Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011 på eget ansvar av den tillverkare som ange**

Undertecknad på tillverkarens vägnar av:

Dąbrowa Górnicza 09.01.2019

Chefen för anläggningen

URSA Polska Sp. z o.o.  
B. Kowalski  
Dyrektor Zakładu

**SUORITUSTASOILMOITUS**

48UGW39NRN19011

Ei.

**1. Tuotetypin yksilöllinen tunniste:**

DF39 MW-EN 13162-T2-MU1

**2. Aiottu käyttötarkoitus (aiotut käyttötarkoitukset):**

Rakennusten lämpöeriste

**3. Valmistaja:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Suoritustason pysyvyyden arvioinnissa ja varmentamisessa käytetty järjestelmä/käytetyt järjestelmät:**

Järjestelmä 3, palotekninen käyttäytyminen Järjestelmä 1

**5. Yhdenmukaistettu standardi:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Ilmoitettu laitos/ilmoitetut laitokset:**

Ei. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMFA)

**6. Ilmoitettu suoritustaso/ilmoitetut suoritustasot:**

| Peruskuvaukset |                                            |                                                       |                                                | Täyttäminen                                             | Yhdenmukaistettu tekninen spesifikaatio        |
|----------------|--------------------------------------------|-------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|------------------------------------------------|
| 6.1            | Palotekninen käyttäytyminen                | Palotekninen käyttäytyminen                           | Euroluokat                                     | A1                                                      | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2            | Vaarallisten aineiden päästöt sisätiloihin | Vaarallisten aineiden päästöt                         | Yhdenmukaistettua menetelmää ei ole määritelty | NPD                                                     |                                                |
| 6.3            | Äänen absorptiokerroin                     | Äänen absorptio                                       | AP, AW                                         | NPD                                                     |                                                |
| 6.4            | Iskuäänten eristyskerroin (lattioille)     | Dynaaminen jäykkyys                                   | SD                                             | NPD                                                     |                                                |
|                |                                            | Paksuus, dL                                           | dL                                             | NPD                                                     |                                                |
|                |                                            | Kokoonpuristuvuus                                     | CP                                             | NPD                                                     |                                                |
|                |                                            | Ilman läpivirtausvastus                               | AFr                                            | NPD                                                     |                                                |
| 6.5            | Välittömien ilmaäänten eristävyyskerroin   | Ilman läpivirtausvastus                               | AFr                                            | NPD                                                     |                                                |
| 6.6            | Jatkuva palaminen hehkuvassa muodossa      | Jatkuva palaminen hehkuvassa muodossa                 | Yhdenmukaistettua menetelmää ei ole määritelty | NPD                                                     |                                                |
|                |                                            | Ilmoitettu lämmönjohtavuuskerroin $\lambda_D$ [W/m*K] | Nimellispaksuus $d_N$ [mm]                     | Ilmoitettu lämpöresistanssi $R_D$ [m <sup>2</sup> *K/W] |                                                |
|                |                                            |                                                       | 40                                             | 1,00                                                    |                                                |
|                |                                            |                                                       | 45                                             | 1,15                                                    |                                                |
|                |                                            |                                                       | 50                                             | 1,25                                                    |                                                |
|                |                                            |                                                       | 60                                             | 1,50                                                    |                                                |
|                |                                            |                                                       | 70                                             | 1,75                                                    |                                                |
|                |                                            |                                                       | 80                                             | 2,05                                                    |                                                |

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| 6.7  | Lämpöresistanssi                                                                                | 0,039                                                                                                                                                                                                          | 95                                                                                                                                                                                         | 2,40 |
|      |                                                                                                 |                                                                                                                                                                                                                | 100                                                                                                                                                                                        | 2,55 |
|      |                                                                                                 |                                                                                                                                                                                                                | 120                                                                                                                                                                                        | 3,05 |
|      |                                                                                                 |                                                                                                                                                                                                                | 140                                                                                                                                                                                        | 3,55 |
|      |                                                                                                 |                                                                                                                                                                                                                | 150                                                                                                                                                                                        | 3,80 |
|      |                                                                                                 |                                                                                                                                                                                                                | 160                                                                                                                                                                                        | 4,10 |
|      |                                                                                                 |                                                                                                                                                                                                                | 180                                                                                                                                                                                        | 4,60 |
|      |                                                                                                 |                                                                                                                                                                                                                | 195                                                                                                                                                                                        | 5,00 |
|      |                                                                                                 |                                                                                                                                                                                                                | 200                                                                                                                                                                                        | 5,10 |
|      |                                                                                                 |                                                                                                                                                                                                                | 220                                                                                                                                                                                        | 5,60 |
|      |                                                                                                 |                                                                                                                                                                                                                | 240                                                                                                                                                                                        | 6,15 |
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|      |                                                                                                 |                                                                                                                                                                                                                |                                                                                                                                                                                            |      |
|      |                                                                                                 | Paksuus                                                                                                                                                                                                        | Paksuus toleranssi T                                                                                                                                                                       | T2   |
| 6.8  | Vedenläpäisevyys                                                                                | Pitkäaikainen veden imemiskyky                                                                                                                                                                                 | WL(P)                                                                                                                                                                                      | NPD  |
| 6.9  | Vesihöyryn läpäisevyys                                                                          | Vesihöyryn tunkeutuminen                                                                                                                                                                                       | MU                                                                                                                                                                                         | 1    |
| 6.10 | Puristuslujuus                                                                                  | Puristusjännitys tai puristuslujuus                                                                                                                                                                            | CS                                                                                                                                                                                         | NPD  |
|      |                                                                                                 | Pistekuormitus                                                                                                                                                                                                 | PL                                                                                                                                                                                         | NPD  |
| 6.11 | Palotekninen kestävyys lämmön, ilmasto-olosuhteiden sekä vanhenemisen/hajoamisen funktiona      | Mineraalivillatuotteiden paloteknisen käyttäytymisen ominaisuudet eivät huonone ajan kuluessa. Euroluokan mukainen tuoteluokitus liittyy orgaanisten osien sisältöön, jotka eivät saa lisääntyä ajan kuluessa. |                                                                                                                                                                                            |      |
| 6.12 | Lämmöneristävyyden pysyvyys lämmön, ilmasto-olosuhteiden sekä ikääntymisen/hajoamisen funktiona | Lämmöneristävyys - lämmönjohtavuuskerroin                                                                                                                                                                      | Euroluokan A1<br>Mineraalivillatuotteiden lämmönjohtavuuskerroin ei muutu ajan kuluessa. Kokemus on osoittanut kuitujen stabiilisuuden ja huokoset eivät sisällä muita kaasuja kuin ilmaa. |      |
|      |                                                                                                 |                                                                                                                                                                                                                | Ilmoitetut tasot, katso kohta 6.7                                                                                                                                                          |      |
|      |                                                                                                 | Mittojen pysyvyys                                                                                                                                                                                              | DS (70,-)                                                                                                                                                                                  | NPD  |
| 6.13 | Veto- /taivutuslujuus                                                                           | Vetolujuus kohtisuoraan otsapintaan                                                                                                                                                                            | TR                                                                                                                                                                                         | NPD  |
| 6.14 | Puristuslujuuden pysyvyys vanhenemisen/hajoamisen funktiona                                     | Puristushiipuma                                                                                                                                                                                                | CC                                                                                                                                                                                         | NPD  |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

**Edellä yksilöidyn tuotteen suoritustaso on ilmoitettujen suoritustasojen joukon mukainen. Tämä suoritustasoilmoitus on asetuksen (EU) N:o 305/2011 mukaisesti annettu edellä ilmoitetun valmistajan yksinomaisella vastuulla**

Valmistajan puolesta allekirjoittanut:

Tehtaanjohtaja

URSA Polska Sp. z o.o.  
Marek Bedkowski  
Dyrektor Zakładu

Dąbrowa Górnicza 09.01.2019

**EKSPLOATACINIŲ SAVYBIŲ DEKLARACIJA**

Ne.

48UGW39NRN19011

**1. Produkto tipo unikalus identifikavimo kodas:**

DF39 MW-EN 13162-T2-MU1

**2. Naudojimo paskirtis (-ys):**

Šiluminė izoliacija statybose

**3. Gamintojas:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Eksploatacinių savybių pastovumo vertinimo ir tikrinimo sistema (-os):**

Sistema 3, reakcija į ugnį Sistema 1

**5. Darnusis standartas:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Notifikuotoji (-osios) įstaiga (-os):**

Ne. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMPA)

**6. Deklaruojama (-os) eksploatacinė (-ės) savybė (-ės):**

| Pagrindinė savybė |                                                              |                                                        |                                 | Tenkinimas                                 | Suderinta techninė specifikacija               |
|-------------------|--------------------------------------------------------------|--------------------------------------------------------|---------------------------------|--------------------------------------------|------------------------------------------------|
| 6.1               | Reakcija į ugnį                                              | Reakcija į ugnį                                        | Euroklasės                      | A1                                         | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2               | Pavojingų medžiagų išleidimas į vidaus aplinką               | Pavojingų medžiagų išleidimas                          | Suderintas metodas neapibrėžtas | NPD                                        |                                                |
| 6.3               | Garso sugerties koeficientas                                 | Garso sugertis                                         | AP, AW                          | NPD                                        |                                                |
| 6.4               | Mušamųjų garsų (grindų atveju) izoliavimo koeficientas       | Dinaminis standumas                                    | SD                              | NPD                                        |                                                |
|                   |                                                              | Storis, dL                                             | dL                              | NPD                                        |                                                |
|                   |                                                              | Suspaudžiamumas                                        | CP                              | NPD                                        |                                                |
|                   |                                                              | Oro srauto pasipriešinimas                             | AFr                             | NPD                                        |                                                |
| 6.5               | Tiesioginiu būdu pernešamų oro garsų izoliavimo koeficientas | Oro srauto pasipriešinimas                             | AFr                             | NPD                                        |                                                |
| 6.6               | Nuolatinis degimas švytinčio degimo forma                    | Nuolatinis degimas švytinčio degimo forma              | Suderintas metodas neapibrėžtas | NPD                                        |                                                |
|                   |                                                              | Deklaruojamas laidumo koeficientas $\lambda_D$ [W/m*K] | Nominalus storis $d_N$ [mm]     | Deklaruojama šiluminė varža $R_D$ [m²*K/W] |                                                |
|                   |                                                              |                                                        | 40                              | 1,00                                       |                                                |
|                   |                                                              |                                                        | 45                              | 1,15                                       |                                                |
|                   |                                                              |                                                        | 50                              | 1,25                                       |                                                |
|                   |                                                              |                                                        | 60                              | 1,50                                       |                                                |
|                   |                                                              |                                                        | 70                              | 1,75                                       |                                                |
|                   |                                                              |                                                        | 80                              | 2,05                                       |                                                |
|                   |                                                              |                                                        | 95                              | 2,40                                       |                                                |
|                   |                                                              |                                                        | 100                             | 2,55                                       |                                                |

|              |                                                                                                   |                                                                                                                                                                                                       |                                                                                                                                                                                                         |      |
|--------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 6.7          | Šiluminė varža                                                                                    | 0,039                                                                                                                                                                                                 | 120                                                                                                                                                                                                     | 3,05 |
|              |                                                                                                   |                                                                                                                                                                                                       | 140                                                                                                                                                                                                     | 3,55 |
|              |                                                                                                   |                                                                                                                                                                                                       | 150                                                                                                                                                                                                     | 3,80 |
|              |                                                                                                   |                                                                                                                                                                                                       | 160                                                                                                                                                                                                     | 4,10 |
|              |                                                                                                   |                                                                                                                                                                                                       | 180                                                                                                                                                                                                     | 4,60 |
|              |                                                                                                   |                                                                                                                                                                                                       | 195                                                                                                                                                                                                     | 5,00 |
|              |                                                                                                   |                                                                                                                                                                                                       | 200                                                                                                                                                                                                     | 5,10 |
|              |                                                                                                   |                                                                                                                                                                                                       | 220                                                                                                                                                                                                     | 5,60 |
|              |                                                                                                   |                                                                                                                                                                                                       | 240                                                                                                                                                                                                     | 6,15 |
|              |                                                                                                   |                                                                                                                                                                                                       |                                                                                                                                                                                                         |      |
|              |                                                                                                   |                                                                                                                                                                                                       |                                                                                                                                                                                                         |      |
|              |                                                                                                   |                                                                                                                                                                                                       |                                                                                                                                                                                                         |      |
|              | Storis                                                                                            | Storio nuokrypis T                                                                                                                                                                                    | T2                                                                                                                                                                                                      |      |
| 6.8          | Vandens pralaidumas                                                                               | Ilgalaikis vandens sugėrimas                                                                                                                                                                          | WL(P)                                                                                                                                                                                                   | NPD  |
| 6.9          | Vandens garų pralaidumas                                                                          | Vandens garų prasiskverbimas                                                                                                                                                                          | MU                                                                                                                                                                                                      | 1    |
| 6.10         | Atsparumas suspaudimui                                                                            | Gniuždomasis įtempis arba atsparumas suspaudimui                                                                                                                                                      | CS                                                                                                                                                                                                      | NPD  |
|              |                                                                                                   | Krūvis                                                                                                                                                                                                | PL                                                                                                                                                                                                      | NPD  |
| 6.11         | Reakcijos į ugnį patvarumas šilumos funkcijos, atmosferinių sąlygų, senėjimo/degradavimo          | Iš mineralinės vatos pagamintų gaminių reakcijos į ugnį eksploatacinės savybės nekinta laike. Gaminio klasifikavimas pagal Euroklas siejasi su organinių dalelių kiekiu, kuris negali ateityje didėti |                                                                                                                                                                                                         |      |
| Euroklasė A1 |                                                                                                   |                                                                                                                                                                                                       |                                                                                                                                                                                                         |      |
| 6.12         | Šiluminės varžos patvarumas šilumos funkcijos, atmosferinių sąlygų, senėjimo/degradavimo atvejais | Šiluminė varža – šilumos pralaidumo koeficientas                                                                                                                                                      | Iš mineralinės vatos pagamintų gaminių šilumos pralaidumo koeficientas nekinta laike. Patirtis parodė, jog audinių struktūra yra stabili, o plyšeliuose nėra kitokių dujų nei atmosferoje esantis oras. |      |
|              |                                                                                                   | Dydžio stabilumas                                                                                                                                                                                     | DS (70,-)                                                                                                                                                                                               | NPD  |
| 6.13         | Atsparumas tempimui/sulankstymui                                                                  | Atsparumas tempiant vertikaliai priekiniams paviršiams                                                                                                                                                | TR                                                                                                                                                                                                      | NPD  |
| 6.14         | Atsparumas spaudimui senėjimo/degradavimo funkcijų atveju                                         | Tamprumas spaudžiant                                                                                                                                                                                  | CC                                                                                                                                                                                                      | NPD  |

EN  
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(PN-EN  
13162+A1:2015-04)

Nurodyto produkto eksploatacinės savybės atitinka visas deklaruotas eksploatacines savybes. Ši eksploatacinių savybių deklaracija pateikiama vadovaujantis Reglamentu (ES) Nr. 305/2011, atsakomybė už jos turinį tenka tik joje nurodytam gamintojui.

Dąbrowa Górnicza 09.01.2019

# **EKSPLUATĀCIJAS ĪPAŠĪBU DEKLARĀCIJA**

Nē.

48UGW39NRN19011



- 1. Unikālais izstrādājuma tipa identifikācijas numurs:**  
DF39 MW-EN 13162-T2-MU1

- 2. Paredzētais izmantojums:**  
Siltumizolācija būvniecībā

- 3. Ražotājs:**  
URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

- 4. Eksploatācijas īpašību noturības novērtējuma un pārbaudes (AVCP) sistēma(-as):**  
Sistēma 3, pamata raksturlielumi Sistēma 1

- 5. Saskaņotais standarts:**  
EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Paziņotā(-ās) iestāde(-es):**  
Nē. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

- 6. Deklarētā(-ās) eksploatācijas īpašība(-as):**

| Pamata raksturlielumi |                                         |                                                           |                                  | Izpilde                                   | Saskaņota tehniskā specifikācija               |
|-----------------------|-----------------------------------------|-----------------------------------------------------------|----------------------------------|-------------------------------------------|------------------------------------------------|
| 6.1                   | Degamība                                | Degamība                                                  | Eiroklases                       | A1                                        | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2                   | Bīstamo vielu izdalīšanās ēkas iekšienē | Bīstamo vielu izdalīšanās                                 | Saskaņošanas metode nav noteikta | NPD                                       |                                                |
| 6.3                   | Skaņu absorbēšanas koeficients          | Skaņu absorbēšana                                         | AP, AW                           | NPD                                       |                                                |
| 6.4                   | Trieciena trokšņa pārvadīšana (grīdām)  | Dinamiskā stingrība                                       | SD                               | NPD                                       |                                                |
|                       |                                         | Biezums, dL                                               | dL                               | NPD                                       |                                                |
|                       |                                         | Saspiežamība                                              | CP                               | NPD                                       |                                                |
|                       |                                         | Pretestība gaisa caurlaidībai                             | AFr                              | NPD                                       |                                                |
| 6.5                   | Izolācija no gaisa trokšņa              | Pretestība gaisa caurlaidībai                             | AFr                              | NPD                                       |                                                |
| 6.6                   | Nepārtrauktā sadegšana kvēles veidā     | Nepārtrauktā sadegšana kvēles veidā                       | Saskaņošanas metode nav noteikta | NPD                                       |                                                |
|                       |                                         | Deklarētais siltumatdeves koeficients $\lambda_D$ [W/m*K] | Nominālais biezums $d_N$ [mm]    | Deklarētā siltumpretestība $R_D$ [m²*K/W] |                                                |
|                       |                                         |                                                           | 40                               | 1,00                                      |                                                |
|                       |                                         |                                                           | 45                               | 1,15                                      |                                                |
|                       |                                         |                                                           | 50                               | 1,25                                      |                                                |
|                       |                                         |                                                           | 60                               | 1,50                                      |                                                |
|                       |                                         |                                                           | 70                               | 1,75                                      |                                                |
|                       |                                         |                                                           | 80                               | 2,05                                      |                                                |
|                       |                                         |                                                           | 95                               | 2,40                                      |                                                |
|                       |                                         |                                                           | 100                              | 2,55                                      |                                                |

|      |                                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                   |                    |
|------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 6.7  | Termiskā pretestība                                                                    | 0,039                                                                                                                                                                                                                                                           | 120                                                                                                                                                                                                                                               | 3,05               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 140                                                                                                                                                                                                                                               | 3,55               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 150                                                                                                                                                                                                                                               | 3,80               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 160                                                                                                                                                                                                                                               | 4,10               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 180                                                                                                                                                                                                                                               | 4,60               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 195                                                                                                                                                                                                                                               | 5,00               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 200                                                                                                                                                                                                                                               | 5,10               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 220                                                                                                                                                                                                                                               | 5,60               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | 240                                                                                                                                                                                                                                               | 6,15               |
|      |                                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                   |                    |
|      |                                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                   |                    |
|      |                                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                   |                    |
|      |                                                                                        |                                                                                                                                                                                                                                                                 | Biezums                                                                                                                                                                                                                                           | Biezuma pielāide T |
|      |                                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                   | T2                 |
| 6.8  | Ūdens caurlaidība                                                                      | Ilgtermiņa ūdens uzsūkšana                                                                                                                                                                                                                                      | WL(P)                                                                                                                                                                                                                                             | NPD                |
| 6.9  | Ūdens tvaika caurlaidība                                                               | Ttvaika caurlaidība                                                                                                                                                                                                                                             | MU                                                                                                                                                                                                                                                | 1                  |
| 6.10 | Spiedes izturība                                                                       | Spiedes spriegums vai spiedes izturība                                                                                                                                                                                                                          | CS                                                                                                                                                                                                                                                | NPD                |
|      |                                                                                        | Koncentrēta slodze                                                                                                                                                                                                                                              | PL                                                                                                                                                                                                                                                | NPD                |
| 6.11 | Degamības saglabāšana sakarstot, atmosfēras iedarbībā, novecojot/nodilstot             | Minerālvates izstrādājumu reakcijas uz uguni patēriņa īpašības laika gaitā nepasliktinās. Izstrādājuma klasificēšana saskaņā ar eiroklasi saistīta ar sastāvā esošajiem organiskajiem komponentiem, kuru daudzums laika gaitā pieaugt nevar<br><br>Eiroklase A1 |                                                                                                                                                                                                                                                   |                    |
| 6.12 | Termiskās pretestības saglabāšana sakarstot, atmosfēras iedarbībā, novecojot/nodilstot | Termiskā pretestība – siltuma vadāmības koeficients                                                                                                                                                                                                             | Mineralvates izstrādājumu siltuma vadāmības koeficients laika gaitā nemainās. Izmēģinājumos uzrādīta šķiedru struktūras stabilitāte, savukārt porās nav nekādu citu gāzu, izņemot atmosfēras gaisu<br><br>Deklarēto līmeni skatīt apakšpunktā 6.7 |                    |
|      |                                                                                        | Izmēru stabilitāte                                                                                                                                                                                                                                              | DS (70,-)                                                                                                                                                                                                                                         | NPD                |
| 6.13 | Stiepes/lieces izturība                                                                | Stiepes izturība perpendikulāri plāksnes plaknei                                                                                                                                                                                                                | TR                                                                                                                                                                                                                                                | NPD                |
| 6.14 | Spiedes izturības saglabāšana, novecojot/nodilstot                                     | Stiepes šļūde                                                                                                                                                                                                                                                   | CC                                                                                                                                                                                                                                                | NPD                |

EN  
13162:2012+A1:2015  
(PN-EN  
13162+A1:2015-04)

Iepriekš norādītā izstrādājuma ekspluatācijas īpašības atbilst deklarēto ekspluatācijas īpašību kopumam. Šī ekspluatācijas īpašību deklarācija izdota saskaņā ar Regulu (ES) Nr. 305/2011, un par to ir atbildīgs vienīgi iepriekš norādītais ražotājs.

Parakstīts ražotāja vārdā:

Dąbrowa Górnicza 09.01.2019

Rūpnīcas direktors  
URSA Polska Sp. z o.o.  
Bartłomiej Bedkowski  
Dyrektor Zakładu

**TOIMIVUSDEKLARATSIOON**

Ei.

48UGW39NRN19011

**1. Tootetüübi kordumatu identifitseerimiskood:**

DF39 MW-EN 13162-T2-MU1

**2. Kavandatud kasutusala(d):**

Ehitussoojusisolatsioon

**3. Tootja:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Toimivuse püsivuse hindamise ja kontrolli süsteem**

Süsteem 3, põlevus Süsteem 1

**5. Ühtlustatud standard:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Teavitatud asutus(ed):**

Ei. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMFA)

**6. Deklareeritud toimivus:**

| Põhiomadused |                                    |                                                    |                           | Täitmine                               | Ühtlustatud tehniline spetsifikatsioon         |
|--------------|------------------------------------|----------------------------------------------------|---------------------------|----------------------------------------|------------------------------------------------|
| 6.1          | Põlevus                            | Põlevus                                            | Euroklassid               | A1                                     | EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04) |
| 6.2          | Ohtlike ainete eraldamine ehitises | Ohtlike ainete eraldamine                          | Ühtlustamismeetod määrata | NPD                                    |                                                |
| 6.3          | Helineelduvustegur                 | Helineelduvus                                      | AP, AW                    | NPD                                    |                                                |
| 6.4          | Löögimüra ülekanne (põrandatele)   | Dünaamiline jäikus                                 | SD                        | NPD                                    |                                                |
|              |                                    | Paksus, dL                                         | dL                        | NPD                                    |                                                |
|              |                                    | Kokkusurutavus                                     | CP                        | NPD                                    |                                                |
|              |                                    | Õhu läbilaskvuse takistus                          | AFr                       | NPD                                    |                                                |
| 6.5          | Õhumüraisolatsioon                 | Õhu läbilaskvuse takistus                          | AFr                       | NPD                                    |                                                |
| 6.6          | Pidev hõõguv põlemine              | Pidev hõõguv põlemine                              | Ühtlustamismeetod määrata | NPD                                    |                                                |
|              |                                    | Avaldatud soojuslähikandetegur $\lambda_D$ [W/m²K] | Nimellispaksus $d_N$ [mm] | Avaldatud soojustakistus $R_D$ [m²K/W] |                                                |
|              |                                    |                                                    | 40                        | 1,00                                   |                                                |
|              |                                    |                                                    | 45                        | 1,15                                   |                                                |
|              |                                    |                                                    | 50                        | 1,25                                   |                                                |
|              |                                    |                                                    | 60                        | 1,50                                   |                                                |
|              |                                    |                                                    | 70                        | 1,75                                   |                                                |
|              |                                    |                                                    | 80                        | 2,05                                   |                                                |
|              |                                    |                                                    | 95                        | 2,40                                   |                                                |

|     |               |       |     |      |
|-----|---------------|-------|-----|------|
| 6.7 | Soojatakistus | 0,039 | 100 | 2,55 |
|     |               |       | 120 | 3,05 |
|     |               |       | 140 | 3,55 |
|     |               |       | 150 | 3,80 |
|     |               |       | 160 | 4,10 |
|     |               |       | 180 | 4,60 |
|     |               |       | 195 | 5,00 |
|     |               |       | 200 | 5,10 |
|     |               |       | 220 | 5,60 |
|     |               |       | 240 | 6,15 |
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13162:2012+A1:2015  
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Eespool kirjeldatud toote toimivus vastab deklareeritud toimivusele. Käesolev toimivusdeklaratsioon on välja antud kooskõlas määrusega (EL) nr 305/2011 eespool nimetatud tootja ainuvastutusel.

Tootja poolt ja nimel allkirjastanud:

Dąbrowa Górnicza 09.01.2019

Tehase direktor:

URSA Polska Sp. z o.o.  
Marek Bedkowski  
Dyrektor Zakładu

# TELJESÍTMÉNYNYILATKOZAT

Nem.

48UGW39NRN19011



## 1. A terméktípus egyedi azonosító kódja:

DF39 MW-EN 13162-T2-MU1

## 2. Felhasználás célja(i):

Építőipari hőszigetelés

## 3. Gyártó:

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

## 4. Az AVCP-rendszer(ek):

Rendszer 3, reakció tűzre Rendszer 1

## 5. Harmonizált szabvány:

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

### Bejelentett szerv(ek):

Nem. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

## 6. A nyilatkozatban szereplő teljesítmény(ek):

| Alapvető jellemzők |                                                                      |                                                      |                                                  | Teljesítés                                                   | Harmonizált<br>műszaki<br>specifikáció                  |
|--------------------|----------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|
| 6.1                | Reakció tűzre                                                        | Reakció tűzre                                        | Euro osztályok                                   | A1                                                           | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
| 6.2                | Belső környezet számára<br>veszélyes anyagok<br>felszabadulása       | Veszélyes anyagok<br>felszabadulása                  | A harmonizáció<br>folyamata nem<br>meghatározott | NPD                                                          |                                                         |
| 6.3                | Hang elnyelési mutató                                                | Hang elnyelés                                        | AP, AW                                           | NPD                                                          |                                                         |
| 6.4                | Ütéshangok szigetelési<br>mutatója (padlók<br>esetében)              | Dinamikus merevség                                   | SD                                               | NPD                                                          |                                                         |
|                    |                                                                      | Vastagság, dL                                        | dL                                               | NPD                                                          |                                                         |
|                    |                                                                      | Csúszósság                                           | CP                                               | NPD                                                          |                                                         |
|                    |                                                                      | Levegőáramlási ellenállás                            | AFr                                              | NPD                                                          |                                                         |
| 6.5                | Közvetlenül a levegőben<br>terjedő hangokra<br>vonatkozó szigetelési | Levegőáramlási ellenállás                            | AFr                                              | NPD                                                          |                                                         |
| 6.6                | Folyamatos égés, izzás<br>formájában                                 | Folyamatos égés, izzás<br>formájában                 | A harmonizáció<br>folyamata nem<br>meghatározott | NPD                                                          |                                                         |
|                    |                                                                      | Deklarált hővezetési képesség<br>$\lambda_D$ [W/m*K] | Névleges vastagság $d_N$<br>[mm]                 | Deklarált termikus ellenállás<br>$R_D$ [m <sup>2</sup> *K/W] |                                                         |
|                    |                                                                      |                                                      | 40                                               | 1,00                                                         |                                                         |
|                    |                                                                      |                                                      | 45                                               | 1,15                                                         |                                                         |
|                    |                                                                      |                                                      | 50                                               | 1,25                                                         |                                                         |
|                    |                                                                      |                                                      | 60                                               | 1,50                                                         |                                                         |
|                    |                                                                      |                                                      | 70                                               | 1,75                                                         |                                                         |
|                    |                                                                      |                                                      | 80                                               | 2,05                                                         |                                                         |
|                    |                                                                      |                                                      | 95                                               | 2,40                                                         |                                                         |

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| 6.7 | Termikus ellenálás | 0,039 | 100 | 2,55 | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
|     |                    |       | 120 | 3,05 |                                                         |
|     |                    |       | 140 | 3,55 |                                                         |
|     |                    |       | 150 | 3,80 |                                                         |
|     |                    |       | 160 | 4,10 |                                                         |
|     |                    |       | 180 | 4,60 |                                                         |
|     |                    |       | 195 | 5,00 |                                                         |
|     |                    |       | 200 | 5,10 |                                                         |
|     |                    |       | 220 | 5,60 |                                                         |
|     |                    |       | 240 | 6,15 |                                                         |
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**A fent azonosított termék teljesítménye megfelel a bejelentett teljesítmény(ek)nek. A 305/2011/EU rendeletnek megfelelően a teljesítménynyilatkozat kiadásáért kizárólag a fent meghatározott gyártó a felelős.**

A gyártó nevében és részéről aláíró személy:

Dąbrowa Górnicza 09.01.2019

Vállalat igazgatója

URSA Polska Sp. z o.o.  
Marek Biedkowski  
Dyrektor Zakładu

**ДЕКЛАРАЦІЯ РОБОЧИХ ХАРАКТЕРИСТИК**

ні.

48UGW39NRN19011

**1. Неповторний ідентифікаційний код типу виробу:**

DF39 MW-EN 13162-T2-MU1

**2. Умисне застосування або види застосування:**

теплоізоляція у будівництві

**3. Виробник:**

URSA Polska Sp. z o.o.  
ul. Armii Krajowej 12  
42-520 Dąbrowa Górnicza  
[www.ursa.pl](http://www.ursa.pl)

**4. Система(-и) оцінки і верифікації незмінності експлуатаційних характеристик:**

Система 3, реакція на вогонь Система 1

**5. Гармонізована норма:**

EN 13162:2012+A1:2015 (PN-EN 13162+A1:2015-04)

**Нотифікована одиниця або одиниці:**

ні. 0672  
Materialprüfungsanstalt Universität Stuttgart  
MPA Stuttgart, Otto-Graf-Institut (FMIPA)

**6. Декларовані експлуатаційні характеристики:**

| Основна характеристика |                                                               |                                                |                                        | Виповнення                                       | Балансована технічна специфікація                       |
|------------------------|---------------------------------------------------------------|------------------------------------------------|----------------------------------------|--------------------------------------------------|---------------------------------------------------------|
| 6.1                    | Реакція на вогонь                                             | Реакція на вогонь                              | Єврокласи                              | A1                                               | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
| 6.2                    | Виділення речовин, небезпечних для внутрішнього               | Виділення небезпечних речовин                  | Балансованого методу не визначено      | NPD                                              |                                                         |
| 6.3                    | Коефіцієнт звукопоглинання                                    | Звукопоглинання                                | AP, AW                                 | NPD                                              |                                                         |
| 6.4                    | Коефіцієнт ізоляції від ударних звуків (для підлог)           | Динамічна твердість                            | SD                                     | NPD                                              |                                                         |
|                        |                                                               | Товщина, dL                                    | dL                                     | NPD                                              |                                                         |
|                        |                                                               | Стисливість                                    | CP                                     | NPD                                              |                                                         |
|                        |                                                               | Опір потоку повітря                            | AFr                                    | NPD                                              |                                                         |
| 6.5                    | Коефіцієнт ізоляції від повітряних звуків, котрі переносяться | Опір потоку повітря                            | AFr                                    | NPD                                              |                                                         |
| 6.6                    | Постійне спалювання у вигляді розжарювання                    | Постійне спалювання у вигляді розжарювання     | Балансованого методу не визначено      | NPD                                              |                                                         |
|                        |                                                               | Заявлений коефіцієнт теплопровідності [Вт/м*К] | Номінальна товщина d <sub>N</sub> [мм] | Заявлений тепловий опір R <sub>D</sub> [м²*К/Вт] |                                                         |
|                        |                                                               |                                                | 40                                     | 1,00                                             |                                                         |
|                        |                                                               |                                                | 45                                     | 1,15                                             |                                                         |
|                        |                                                               |                                                | 50                                     | 1,25                                             |                                                         |
|                        |                                                               |                                                | 60                                     | 1,50                                             |                                                         |
|                        |                                                               |                                                | 70                                     | 1,75                                             |                                                         |
|                        |                                                               |                                                | 80                                     | 2,05                                             |                                                         |
|                        |                                                               |                                                | 95                                     | 2,40                                             |                                                         |

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| 6.7 | Тепловий опір | 0,039 | 100 | 2,55 | EN<br>13162:2012+A1:2015<br>(PN-EN<br>13162+A1:2015-04) |
|     |               |       | 120 | 3,05 |                                                         |
|     |               |       | 140 | 3,55 |                                                         |
|     |               |       | 150 | 3,80 |                                                         |
|     |               |       | 160 | 4,10 |                                                         |
|     |               |       | 180 | 4,60 |                                                         |
|     |               |       | 195 | 5,00 |                                                         |
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Експлуатаційні характеристики визначеного вище виробу відповідають комплекту декларованих експлуатаційних характеристик. Ця декларація експлуатаційних характеристик була видана згідно з розпорядженням (ЄС) № 305/2011 на виключну відповідальність виробника, визначен

Від імені виробника підписав(-а):

Dąbrowa Górnicza 09.01.2019

Директор Заводу

URSA Polska Sp. z o.o.  
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Dyrektor Zakładu