

DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

No. PTRL-DoP/MW/15/30
PETRALAMELA d=30-350mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALAMELA MW-EN13162-T5-DS(70,90)-CS(10/Y)50-TR80-WS-WL(P)-MU1

INTENDED USE OR USES

Factory made mineral wool (MW) products for thermal insulation of buildings.

PRODUCER

| Head Office | | Factory | |
|-------------|---|----------|---|
| Name: | PETRALANA S.A. | Name: | PETRALANA S.A. |
| Address: | Str. Mazowiecka 11 40-732 Katowice, Poland | Address: | Str. Konstytucji 74 41-905 Bytom, Poland |
| Phone: | +48 32 209 01 27 | Phone: | +48 32 770 05 00 |

SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

System 1 and System 3

HARMONIZED STANDARD

EN 13162:2012+A1:2015 'Thermal insulation products for buildings – Factory made mineral wool (MW) products - Specification'.

NOTIFIED CERTIFICATION BODY OR BODIES

Instytut Mechanizacji Budownictwa i Górnictwa Skalnego nr 1454

DECLARATION OF PERFORMANCES

DECLARED CHARACTERISTICS

| ESSENTIAL CHARACTERISTICS | REQUIREMENT CLAUSES IN THIS EUROPEAN STANDARD | SYMBOL | DECLARED LEVEL AND/OR CLASSES | UNIT |
|---|---|---|-------------------------------|----------------------|
| Reaction to fire Euroclass characteristics | Reaction to fire | RtF | A1 | Euroclass |
| Release of dangerous substances to the indoor | Release of dangerous substances | - | NPD | - |
| Acoustic absorption index | Sound absorption | α_{PI} (API) i α_{WI} (AWI) | NPD | - |
| Impact noise transmission index | Dynamic stiffness | s' SD | NPD | MN/m ³ |
| | Thickness, dL | dL | 30-350 | mm |
| | Compressibility, c | CP | NPD | mm |
| | Air flow resistivity | AFr | NPD | kPa.s/m ² |
| Direct airborne sound insulation index | Air flow resistivity | AFr | NPD | kPa.s/m ² |
| Continuous glowing combustion | Continuous glowing combustion | - | NPD | - |
| Thermal resistance | Thermal resistance and thermal conductivity | R | Table -Thermal Resistance | m ² K/W |
| | | λ | 0,040 | W/mK |
| | Thickness | Class for thickness tolerances | T5 | mm or % |
| Water permeability | Short time water absorption | WS | <1 | kg/m ² |
| | Long time water absorption | WL(P) | <3 | kg/m ² |
| Water vapour permeability | Water vapour transmission | MU | MU1 | - |
| Compressive strength | Compressive stress or compressive strength | CS(10/Y) | 50 | kPa |
| | Point load | PL | NPD | - |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Durability characteristics | Reaction to fire | A1 | Euroclass |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance and thermal conductivity | Declared λ | 0,040 | W/mK |
| | Dimensional stability under specified temperature | DS | <1 | % |
| | Dimensional stability under specified temperature and humidity conditions | | <1 | % |
| Tensile/Flexural strength | Tensile strength perpendicular to faces | TR | 80 | kPa |
| Durability of compressive strength against ageing/degradation | Compressive creep | CC(i1/i2/y)δc | NPD | mm |

THERMAL RESISTANCE R_D

| | | | | | | | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|---|
| d [mm] | 30 | 50 | 80 | 100 | 120 | 150 | 180 | 200 | 230 | 250 | 270 | 300 | 320 | 350 | - | - | - |
| R _D [m ² KW] | 0,75 | 1,25 | 2,00 | 2,50 | 3,00 | 3,75 | 4,50 | 5,00 | 5,75 | 6,25 | 6,75 | 7,50 | 8,00 | 8,75 | - | - | - |

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

QUALITY DEPARTMENT AND CERTIFICATION MANAGER

Date: 2/01/2017

mgr inż. Wioletta Szyguta
Kierownik
Działu Jakości i Certyfikacji