

DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

No. PTRL-DoP/MW/15/17
PETRAFAS d=100-220mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAFAS MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-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

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| 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 | 100-220 | 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 | 0,035 | 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) | 30 | 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 | 0,035 | 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 | 10 | kPa |
| Durability of compressive strength against ageing/degradation | Compressive creep | CC(1/12/y) δ_c | NPD | mm |

| THERMAL RESISTANCE R _D | | | | | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|---|---|---|---|---|---|---|---|
| d [mm] | 100 | 120 | 140 | 150 | 160 | 180 | 200 | 220 | - | - | - | - | - | - | - | - |
| R _D [m ² K/W] | 2,85 | 3,40 | 4,00 | 4,25 | 4,55 | 5,10 | 5,70 | 6,25 | - | - | - | - | - | - | - | - |

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 Szyguła

Wioletta Szyguła
Kierownik

Działu Jakości i Certyfikacji