

DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

No. PTRL-DoP/MW/15/21
PETRAROOF-D d = 20-29 mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAROOF-D MW-EN13162-T5-CS(10)40-PL(5)500-WS-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. |
| Adress: | Str. Mazowiecka 11 40-732 Katowice, Poland | Adress: | 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 | 20-29 | 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 | 0,037 | 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) | NPD | kg/m ² |
| Water vapour permeability | Water vapour transmission | MU | MU1 | - |
| Compressive strength | Compressive stress or compressive strength | CS(10/Y) | 40 | kPa |
| | Point load | PL | 500 | - |
| 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 | 0,037 | W/mK |
| | Dimensional stability under specified temperature | DS | NPD | % |
| | Dimensional stability under specified temperature and humidity conditions | | NPD | % |
| Tensile/Flexural strength | Tensile strength perpendicular to faces | TR | NPD | kPa |
| Durability of compressive strength against ageing/degradation | Compressive creep | CC(i1/i2/y)5c | NPD | mm |

| THERMAL RESISTANCE R _D | | | | | | | | | | | | | | | | |
|------------------------------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d [mm] | 20 | 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| R _D [m ² KW] | 0,50 | 0,75 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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: 24.03.2017

mgr inż. Wioletta Szygula

Signature:  Wioletta Szygula

Działu Jakości i Certyfikacji