

DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

Nr PTRL-DoP/MW/15/88
PETRALIGHT-PLUS d= 100- 250 mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALIGHT-PLUS MW-EN13162-T2- CS(10)0,5-WS-WL(P)- MU1-AW0,95

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) | 0,95 | - |
| Impact noise transmission index | Dynamic stiffness | s' SD | NPD | MN/m ³ |
| | Thickness, dL | dL | 100-250 | 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 | T2 | 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) | 0,5 | 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 | 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(1/i2/y) δ_c | NPD | mm |

THERMAL RESISTANCE R_D

| d [mm] | 100 | 110 | 120 | 130 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| R _D [m ² K/W] | 2,85 | 3,10 | 3,40 | 3,70 | 4,25 | 4,55 | 4,85 | 5,10 | 5,40 | 5,70 | 6,00 | 6,25 | 6,55 | 6,85 | 7,10 | | |

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

mgr inż. Wioletta Szygula

Szygula
Kierownik

Działu Jakości i Certyfikacji

Signature

Date: 24.03.2017