

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/24/153

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAFAS 34S MW-EN13162-T5-DS(70,90)-CS(10)20-TR7,5-WS-WL(P)-MU1-AFr15

INTENDED USE OR USES

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

PRODUCER

Head Office

Name: PETRALANA S.A.
Address: Str. Konstytucji 74
41-905 BYTOM, Poland

SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

System 1 and System 3

HARMONIZED STANDARD

EN 13162:2012+A1:2015

NOTIFIED CERTIFICATION BODY OR BODIES

Sieć Badawcza Łukasiewicz – Warszawski Instytut Technologiczny nr 1454

DECLARATION OF PERFORMANCE

DECLARED CHARACTERISTICS

| ESSENTIAL CHARACTERISTICS | REQUIREMENT CLAUSES IN THIS EUROPEAN STANDARD | SYMBOL | DECLARED LEVEL AND/OR CLASSES | UNIT |
|---|---|---|-------------------------------|----------------------|
| Reaction to fire | Reaction to fire | RtF | A1 | Euroclass |
| Release of dangerous substances to the indoor environment | Release of dangerous substances | - | NPD | - |
| Acoustic absorption index for floors | Sound absorption | α_{PI} (AP1) i α_{WI} (AWI) | NPD | - |
| Impact noise transmission index (for floors) | Dynamic stiffness | s' SD | NPD | MN/m ² |
| | Thickness, dL | dL | 50-250 | mm |
| | Compressibility, c | CP | NPD | mm |
| | Air flow resistivity | AFr | 15 | kPa·s/m ² |
| Direct airborne sound insulation index | Air flow resistivity | AFr | 15 | kPa·s/m ² |
| Continuous glowing combustion | Continuous glowing combustion | - | NPD | - |
| Thermal resistance | Thermal resistance and thermal conductivity | R | Table-Thermal Resistance | m ² /KW |
| | | λ | 0,034 | W/(mK) |
| | Thickness | d | 50-250 | mm |
| | | Class for thickness tolerances | T5 | mm |
| 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) | 20 | kPa |
| | Point load | PL | NPD | N |
| 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 | R | Table-Thermal Resistance | m ² /KW |
| | | Declared λ | 0,034 | W/(mK) |
| | Dimensional stability under specified temperature | DS(70,90) | <1 | % |
| | Dimensional stability under specified temperature and humidity conditions | | <1 | % |
| Tensile/Flexural strength | Tensile strength perpendicular to faces | TR | 7,5 | kPa |
| Durability of compressive strength against ageing/degradation | Compressive creep | CC(1/12/y)δc | NPD | mm |

THERMAL RESISTANCE R_D

| d [mm] | 50 | 60 | 80 | 100 | 120 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R _D [m ² /KW] | 1,45 | 1,75 | 2,35 | 2,90 | 3,50 | 4,10 | 4,40 | 4,70 | 5,00 | 5,25 | 5,55 | 5,85 | 6,15 | 6,45 | 6,75 | 7,05 | 7,35 |

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

Place: BytomDate: 15/05/2024KIEROWNIK
DZIAŁU KONTROLI JAKOŚCImgr inż. Dawid Góluć
Signature