

TECHNICAL DATA SHEET

PETRAFAS PRO



Slabs of stone wool for internal and external building objects for thermal, acoustic and fire insulation

OFFICIAL DOCUMENTATION:

Declaration of Performance: Nr
PTRL-DoP/MW/23/131



APPLICATION:

external and partition walls insulated by ETICS system

external monolithic, prefabricated and brick walls

floors above garages, passages and basements

fire insulation of attics (reaction to fire classification A1)

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| PRODUCT CODE |
|--|
| PETRAFAS PRO MW-EN 13162-T5-0S(70,90)-CS(10)20-TR10-WS-WL(P)-MU1-AW0,95 |
| DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D |
| $\leq 0,035[W/(mK)]$ |

| DECLARED PARAMETERS | | | | |
|---|-----------|--------------------|---------------|----------------------|
| DECLARED PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015 | SYMBOL | CLASS OR TOLERANCE | UNITS | |
| Class for thickness tolerances | T | T5 | -1 mm / +3 mm | [mm] |
| | | | -1 % / +3 mm | [%/mm] |
| Dimensional stability under 70 °C and 90% humidity | DS(70,90) | | $\leq 1,0$ | % |
| Compressive stress at 10% deformation | CS(10/Y) | | 20 | [kPa] |
| Tensile strength perpendicular to faces | TR | | ≥ 10 | [kPa] |
| Point load at 5mm deformation | PL(5) | | NPD | [N] |
| Short time water absorption | WS | | $\leq 1,0$ | [kg/m ²] |
| Long time water absorption | WL(P) | | $\leq 3,0$ | [kg/m ²] |
| Water vapour transmission | MU | | MU1 | [-] |
| Acoustic absorption index | AW | | 0,95 | [-] |
| Reaction to fire | RtF | | A1 | Euroclass |

| DECLARED THERMAL RESISTANCE R_D | | | | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|---|---|
| d [mm] | 50 | 60 | 80 | 100 | 120 | 140 | 150 | 160 | 180 | 200 | 220 | 240 | 250 | - | - | - | - |
| R_D [m ² K/W] | 1,45 | 1,75 | 2,35 | 2,90 | 3,50 | 4,10 | 4,40 | 4,70 | 5,25 | 5,85 | 6,45 | 7,05 | 7,35 | - | - | - | - |

| DIMENSIONS AND PACKING | | | | | | | | |
|------------------------|-------|-----------|----------------------------|----------------------------|---------------------|---------------------------|-------------------------------------|------------------------------|
| FORMAT OF PLATES | | | PACKAGES | | | PALLETS | | |
| Length | Width | Thickness | No. of plates in a package | Cover surface of a package | Volume of a package | No. of plates on a pallet | Cover surface of plates on a pallet | Volume of plates on a pallet |
| [mm] | [mm] | [mm] | [pcs.] | [m ²] | [m ³] | [pcs.] | [m ²] | [m ³] |
| 1000 | 600 | 50 | 6 | 3,60 | 0,180 | 16 | 57,60 | 2,880 |
| | | 60 | 5 | 3,00 | 0,180 | 16 | 48,00 | 2,880 |
| | | 80 | 5 | 3,00 | 0,240 | 12 | 36,00 | 2,880 |
| | | 100 | 3 | 1,80 | 0,180 | 16 | 28,80 | 2,880 |
| | | 120 | 2 | 1,20 | 0,144 | 20 | 24,00 | 2,880 |
| | | 140 | 2 | 1,20 | 0,168 | 16 | 19,20 | 2,688 |
| | | 150 | 2 | 1,20 | 0,180 | 16 | 19,20 | 2,880 |
| | | 160 | 2 | 1,20 | 0,192 | 12+16 | 33,60 | 5,376 |
| | | 180 | 2 | 1,20 | 0,216 | 12 | 14,40 | 2,592 |
| | | 200 | 2 | 1,20 | 0,240 | 12 | 14,40 | 2,880 |
| | | 220 | 1 | 0,60 | 0,132 | 20 | 12,00 | 2,640 |
| | | 240 | 1 | 0,60 | 0,144 | 20 | 12,00 | 2,880 |
| | | 250 | 1 | 0,60 | 0,150 | 16 | 9,60 | 2,400 |
| - | - | - | - | - | - | - | - | - |