

TECHNICAL DATA SHEET



OFFICIAL DOCUMENTATION:

Declaration of Performance:
Nr PTRL-DoP/MW/18/107



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)

FACTORY:

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PRODUCT CODE

PETRAFAS 34 MW-EN13162-T5-CS(10)20-TR7,5-WS-WL(P)-MU1

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

$\leq 0,034$ [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 |
| | | | -1 % / +3 mm |
| Dimensional stability under 70 °C and 90% humidity | DS(70,90) | NPD | % |
| Compressive stress at 10% deformation | CS(10/Y) | CS(10)20 | [kPa] |
| Tensile strength perpendicular to faces | TR | $\geq 7,5$ | [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 | [-] |
| Air flow resistivity | AFr | NPD | [kPa s/m ²] |
| 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 | 3 | 1,80 | 0,144 | 20 | 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 |
| - | - | - | - | - | - | - | - | - |