

PAROC Pro Slab 60



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| Certification Number | 0809-CPR-1016 / Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland |
| Designation Code | MW-EN 14303-T5-ST(+)-350-WS1-CL10 |
| Short Description | Stone wool slab. |
| Application | Thermal insulation slab for tanks and vessels. |
| Nominal Density | 60 kg/m ³ |

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200 °C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000 °C.

Dimensions

| Dimensions | |
|---------------------------|---------------------------|
| Width x Length | Thickness |
| 600 x 1000 mm | 50 - 160 mm |
| In accordance with EN 822 | In accordance with EN 823 |

| Dimensional Stability | | |
|---|--------|----------------------------------|
| Property | Value | According to |
| Maximum Service Temperature - Dimensional Stability | 350 °C | EN 14303:2009+A1:2013 (EN 14706) |

Other Dimensions Available on request.

Packaging

Package Type Plastic packs on pallet

Fire Properties

| Reaction to Fire | | |
|-----------------------------|-------|------------------------------------|
| Property | Value | According to |
| Reaction to Fire, Euroclass | A1 | EN 14303:2009+A1:2013 (EN 13501-1) |

| Continuous Glowing Combustion | | |
|-------------------------------|-------|-----------------------|
| Property | Value | According to |
| Continuous Glowing Combustion | NPD | EN 14303:2009+A1:2013 |

Thermal Properties

| Thermal Resistance | | |
|---|------------|----------------------------------|
| Property | Value | According to |
| Thermal Conductivity in 50 °C, λ_{50} | 0.042 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 100 °C, λ_{100} | 0.048 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 200 °C, λ_{200} | 0.067 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Thermal Conductivity in 300 °C, λ_{300} | 0.097 W/mK | EN 14303:2009+A1:2013 (EN 12667) |
| Dimensions and Tolerances | T5 | EN 14303:2009+A1:2013 |

Moisture Properties

| Water Permeability | | |
|--|-------------------------|---------------------------------|
| Property | Value | According to |
| Water Absorption, Short Term WS, W_p | $\leq 1 \text{ kg/m}^2$ | EN 14303:2009+A1:2013 (EN 1609) |

Rate of Release of Corrosive Substances

| Trace Quantities of Water Soluble Ions and the pH Value | | |
|---|----------|----------------------------------|
| Property | Value | According to |
| Chloride Ions, Cl ⁻ | < 10 ppm | EN 14303:2009+A1:2013 (EN 13468) |

Sound Properties

| Acoustic Absorption Index | | |
|---------------------------|-------|------------------------------------|
| Property | Value | According to |
| Sound Absorption | NPD | EN 14303:2009+A1:2013 (EN ISO 354) |

Emissions

| Release of Dangerous Substances to the Indoor Environment | | |
|---|-------|-----------------------|
| Property | Value | According to |
| Release of Dangerous Substances | NPD | EN 14303:2009+A1:2013 |

Durability

Durability of Reaction to Fire Against Ageing/Degradation

No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

Durability of Reaction to Fire Against High Temperature

The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.

Durability of Thermal Resistance Against Ageing/Degradation

Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

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