



PAROC WAS 50t

Wall slab

Semi-rigid, fire safe stone wool with high thermal insulation performance. It is faced with a natural coloured glass tissue.

Thermal insulation in external walls, curtain walls etc in new and old buildings. It could be used in one layer or in a two layer-system in combination with flexible insulation. A two-layer system creates a continuous thermal insulation layer which improve the thermal performance.

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.

| | |
|-----------------------------|---|
| Certification Number | 0809-CPR-1015 VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 18.12.2013 |
| Designation Code | MW-EN13162-T4-DS(70,-)-WS-WL(P)-MU1 |
| Package Type | Plastic Package or Plastic Packages on a Pallet |

| DIMENSIONS | |
|---|---------------------|
| WIDTH X LENGTH | THICKNESS |
| 600 x 1200 mm | 50 - 150 mm |
| According to EN 822 | According to EN 823 |
| Other Dimensions: Other sizes available on request. | |

| PROPERTY | VALUE | ACCORDING TO |
|---|-------|-------------------------|
| DIMENSIONAL STABILITY | | |
| Dimensional Stability at Specified Temperature (Declared), DS(70,-) | ≤ 1 % | EN 13162:2012 (EN 1604) |



Properties

| PROPERTY | VALUE | ACCORDING TO |
|---|---|----------------------------|
| FIRE PROPERTIES | | |
| Reaction to Fire, Euroclass | A1 | EN 13162:2012 (EN 13501-1) |
| Continuous Glowing Combustion | NPD | EN 13162:2012 |
| Combustibility | Non-combustible | EN ISO 1182 |
| THERMAL PROPERTIES | | |
| Thermal Resistance | http://www.paroc.com/~media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx | EN 13162:2012 |
| Thermal Conductivity λ_D | 0,034 W/mK | EN 13162:2012 |
| Thickness Tolerance, T | T4 | EN 13162:2012 (EN 823) |
| Air Flow Resistivity AF_R | NPD | EN 13162:2012 (EN 29053) |
| Air Permeability Coefficient for Facing, L | $50 \times 10^{-6} \text{ m}^3/\text{m}^2\text{Pa}$ | |
| MOISTURE PROPERTIES | | |
| Water Absorption, Short Term $WS, (W_p)$ | $\leq 1 \text{ kg/m}^2$ | EN 13162:2012 (EN 1609) |
| Water Absorption, Long Term $WL(P), (W_{lp})$ | $\leq 3 \text{ kg/m}^2$ | EN 13162:2012 (EN 12087) |
| Water Vapour Transmission MU, μ | 1 | EN 13162:2012 (EN 12086) |
| SOUND PROPERTIES | | |
| Sound Absorption | NPD | EN 13162:2012 (EN ISO 354) |
| EMISSIONS | | |
| Release of Dangerous Substances | NPD | EN 13162:2012 |
| DURABILITY OF FIRE AND THERMAL PROPERTIES | | |
| Durability of Reaction to Fire Against Heat, Weathering, Ageing/Degradation | The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time. | |
| Durability of Thermal Resistance Against Heat, Weathering, 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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