



PROMAFOUR®-HTI 1100 BLANKETS are earth-alkali silicate wools (high temperature glass wools) and are not classified as ceramic fibres .

PROMAFOUR®-HTI 1100 BLANKETS have reduced biological resistance and are not subject to any classification.

Properties & advantages

- Harmless in terms of working hygiene, not classified
- Reduced biological resistance
- High thermal resistance
- High thermal shock resistance
- Low thermal conductivity and heat storage
- Various delivery formats

Typical applications

- Insulation of fireplaces
- Insulation of chimneys
- Interior and exterior insulation of chimney flues

Working, machining & installation

PROMAFOUR®-HTI 1100 BLANKETS can be cut and processed with conventional tools, e.g. knives and woodworking machines.



A PRODUCT OF THE PROMAFOUR® SYSTEM



Technical data

| Brand | PROMAFOUR®-HTI 1100 BLANKET | | |
|---|--------------------------------|---------------|-------|
| Grade | HTI 1100 | | |
| Colour | White | | |
| Classification temperature | °C | 1100 | |
| Bulk density | kg/m ³ | 64/96/128/160 | |
| Linear shrinkage 24h | % | <1 | |
| 24h at classification temperature | °C | 1100 | |
| Specific heat capacity | kJ/kg K | 1.13 | |
| Thermal conductivity (ASTM C, 177) at bulk density 128 kg/m ³ | | | |
| | 200 °C | W/m K | 0.06 |
| | 400 °C | W/m K | 0.10 |
| | 600 °C | W/m K | 0.16 |
| | 800 °C | W/m K | 0.23 |
| | 1000 °C | W/m K | 0.96 |
| Specific heat capacity | kJ/kg K | 0,96 | |
| | SiO ₂ | % | 58-67 |
| | Al ₂ O ₃ | % | <1 |
| | CaO | % | 26-34 |
| | MgO | % | 2-8 |
| | Other | % | <4 |
| Tensile strength (ASTM C209) | kPa | 70 | |

Product dimensions & size availability

| Bulk Density | | 96 kg/m ³ | 128 kg/m ³ | Length (mm) | Width (mm) |
|--------------|---------|----------------------|-----------------------|-------------|------------|
| Thickness | 12.7 mm | x | x | 14640 | 610 |
| | 25.4 mm | x | x | 7320 | 610 |

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