

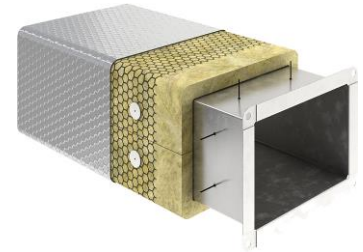


TECHNOMAT WIRED

Stone wool wired mats used as thermal and sound insulation of high-temperature equipment, piping, gas ducts, electrostatic precipitators

Product description

TECHNOMAT WIRED is the nonflammable, water-repellent thermal and sound insulation wired mats of mineral wool based on basalt rocks. One side of the mats is covered with either galvanized steel or stainless steel mesh and stitched with wire. Thanks to such frame, the mats are able to absorb high mechanical loads and vibration under the influence of high temperatures without deformation.



Area of application

TECHNOMAT WIRED mats are used in industrial construction as thermal and sound insulation of high-temperature equipment, piping, gas ducts, electrostatic precipitators. Applied at temperatures of insulated surfaces up to +680°C.

Storage

The mats must be stored in covered warehouses. The mats shall be stored in containers or stacked on the pallets or on the supports during the whole period of storage. The method of stacking should ensure a stable position of the mats during storage and disassembly. Shelf life if all storage requirements are met: 6 months from the date of production.

Main characteristics

Essential characteristics	Performance	Harmonized technical specification
Density, kg/m ³	100±10	EN 1602
Length, mm	2400, 4800 (±2%)	EN 822
Width, mm	1200 (±2%)	EN 822
Thickness (with increments of 10 mm), mm	30-100	EN 823
Maximum service temperature, °C	680	EN 14706
Reaction to fire, Euroclass	A1	EN 13501-1
Water absorption during short term immersion, kg/m ²	WS < 1	EN 1609
Declared thermal conductivity at 10°C, W/m*K	0.034	EN 12667
Declared thermal conductivity at 25°C, W/m*K	0.037	EN 12667
Declared thermal conductivity at 50°C, W/m*K	0.040	EN 12667
Declared thermal conductivity at 100°C, W/m*K	0.043	EN 12667
Declared thermal conductivity at 125°C, W/m*K	0.045	EN 12667
Declared thermal conductivity at 150°C, W/m*K	0.053	EN 12667
Declared thermal conductivity at 200°C, W/m*K	0.062	EN 12667
Declared thermal conductivity at 300°C, W/m*K	0.079	EN 12667
Declared thermal conductivity at 400°C, W/m*K	0.111	EN 12667
Declared thermal conductivity at 500°C, W/m*K	0.152	EN 12667
Declared thermal conductivity at 600°C, W/m*K	0.197	EN 12667

EN
14303:2009
+A1:2013