

Data sheet

FireMaster® T Board

Description

FireMaster® T board is a rigid panel made from high-temperature low-bioperistence Superwool fibres and an innovative filler and binder system that combine to provide exceptional high-temperature resistance and thermal protection.

Especially developed for the most demanding fire protection applications in tunnels and underground construction, FireMaster T board has lower thickness requirements and lower handling weight than traditionally-used board products.

Fire Performance Properties

- Class A1 reaction to fire EN 13501-1
- Fire Protection of concrete tunnel structures EN 1363-1:2012, EN 1363-2:1999 using RWS fire curve
- 2 hours protection: 20mm
- 3 hours protection: 25mm

Key Physical and Thermal Properties

- Density: 500 kg/m³
- Classification temperature: 1400°C
- Soak-Dry durability EN 12467 7.3.6 20mm and 25mm thick FireMaster T Board: RL ≥ 0.75
- Freeze Dry Resistance ETAG 18-4 Annex D evaluated using EN 12467 7.4.1 20mm and 25mm thick FireMaster T Board: RL ≥ 0.75

Thermal Conductivity (ASTM C201 Method)

Mean Temperature °C	Thermal Conductivity (W/mK)
100°C	0.06
200°C	0.07
400°C	0.09
600°C	0.11
800°C	0.14
1000°C	0.18
1200°C	0.24

Availability

Thickness Range: 10mm to 50mm
Board Size: 1200mm x 1000mm

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SUPERWOOL® is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). **SUPERWOOL®** products may be covered by one or more of the following patents, or their foreign equivalents:

SUPERWOOL® PLUS and **SUPERWOOL® HT** products are covered by patent numbers: US5714421 and US7470641, US7651965, US7875566, EP1544177 and EP1725503 respectively.

A list of foreign patent numbers is available upon request to Morgan Advanced Materials plc.

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