



PROMATECT®-MT



Product description

PROMATECT®-MT is a self-supporting fire protection board based on calcium silicate.

Properties & advantages

- Mechanically and dimensionally stable
- High surface hardness
- Machinable with woodworking tools
- Production is certified according to ISO 9001

Typical applications

FIRE-RATED ASSEMBLIES

- Building and industrial construction, for fire protection and dampers

Working and processing

Machining (sawing, drilling, grinding etc.) creates dust. Dust can be harmful to health. Avoid contact with eyes and skin. Do not inhale the dust. Comply to local dust limits (OEL). Request product safety information sheet.

Storage

Store in a dry place, free of frost

Disposal/waste code

Stones and bricks 170904 (EWC)

Accessories

- Promat® Impregnation 2000
- Promat®-SR-Impregnation
- Promat®-Glue K84

Technical data

Reaction to fire (EN 13501-1, DIN 4102)		A1, non-combustible
Density	kg/m ³	approx. 640
Alkalinity	pH-value	approx. 7-10
Colour		white/beige
Surface		both sides sanded

Climate characteristics

Thermal conductivity 20 °C	W/m K	0.20
Humidity	%	≤ 5 (air-dry)
Expansion due to moisture	%	≤ ± 0.1 (dry/saturated)
Water vapour diffusion resistance factor	μ-value	approx. 15

Mechanical characteristics

Bending strength (EN 12467)		
Thickness ≤ 60mm	N/mm ²	≥ 4.4
Thickness = 70mm	N/mm ²	≥ 4.0
Compressive strength (EN 826)	N/mm ²	approx. 15
Tensile strength (EN 319)	N/mm ²	≥ 0.8 (perpendicular to the panel surface)

Delivery sizes

Length x width (tolerances)	mm	2500 x1200 (± 1.0)
Thickness (tolerances)	mm	12.7 / 16 / 19 / 25 / 30 / 40 / 50 / 60 / 70 (± 0.4)

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