

Promat

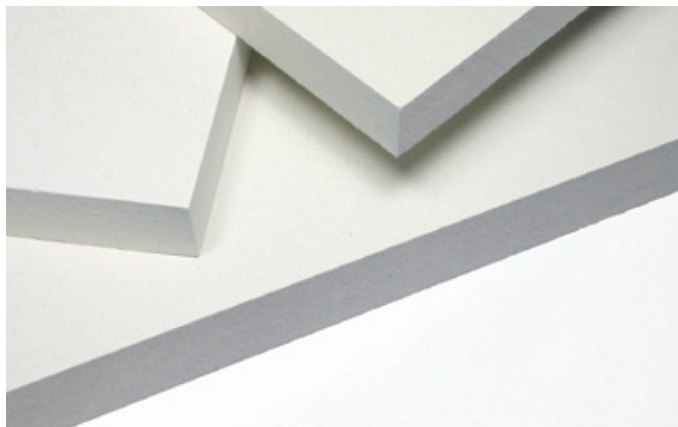
PROMATECT®-AD

Fire protective construction board



www.promat-see.com





Product description

Silicate fire protective construction board with cement binder (of small density), resistant to moisture, of stable dimensions, of large format and self-supporting. It is produced with quality assurance according to the standard ISO 9001.

Fields of application

Execution of self-supporting ventilation channels, smoke and heat extract ducts, cladding of ventilation channels made of steel sheet. PROMATECT®-AD has the following intended uses (according to EAD 350142-00-1106): internal use (type Z₁) and internal use in high humidity conditions (type Z₂).

Technical data

Nominal dry density (average)	approx. 500 kg/m ³
Moisture content	approx. 3 – 5 % (air dried)
Alkalinity (pH-value)	approx. 9
Thermal conductivity λ	approx. 0,09 W/m.K
Coefficient of resistance to water vapor diffusion μ	approx. 3,2

Properties

Construction material class	A1, EN 13501-1
Surface properties	one side smooth, one side mildly coarse
Storage	store in a dry location
Disposal	remains can be disposed off on waste tips for class I construction waste (EWC code 17 01 07)

Static values

	Bending strength σ_{break}	Tensile strength Z_{break}	Compressive strength \perp
(deflection $f \leq l/250$, safety factor $\nu \geq 3$)	3,0 N/mm ² (in the longitudinal direction of the board)	1,2 N/mm ² (in the longitudinal direction of the board)	5,5 N/mm ² (perpendicularly to the board surface)

Pullout resistances

Type of screws	Pullout resistances of screws (Z_{break})			
	Screw for fast construction 3,9 x 45 (G 233/345) Knipping		Screwing nut (type B 3815) RAMPA	
Layout	in the board surface	in the board edge	in the board edge	in the board surface
Depth of screwing screws	20 mm	20 mm	30 mm	15 mm
Pullout resistance Z_{break}	330 N	342 N	510 N	301 N

Formats and weights

	Board thickness and weight	
Standard formats	2500 mm x 1200 mm x 40 mm	
Dimensional tolerance	thickness	±0,5 mm
	length and width	±3,0 mm
Board weight [kg/m ²]	in dry state	approx. 20,0
	+20°C, 65% rel. hum.	approx. 21,0

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