

Promat

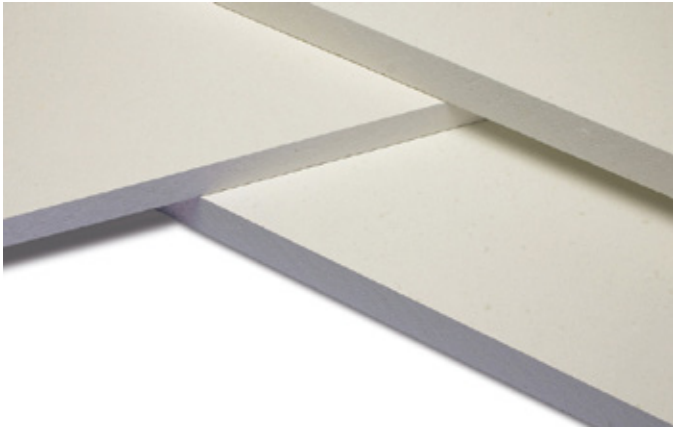
PROMATECT®-L500

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®-L500 has the following intended uses (according to EAD 350142-00-1106): internal use (type Z₁) and internal use in high humidity conditions (type Z₁).

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

Standard formats	Board thickness and weight						
	2500 mm x 1200mm	20 mm	25 mm	30 mm	35 mm	50 mm	60 mm
Dimensional tolerance	thickness	±0,5 mm					
	length and width	±3,0 mm					
Board weight [kg/m ²]	in dry state	approx. 10,0	approx. 12,5	approx. 15,0	approx. 17,5	approx. 25,0	approx. 30,0
	+20°C, 65% rel. hum.	approx. 10,5	approx. 13,1	approx. 15,8	approx. 18,4	approx. 26,3	approx. 31,5

Bulgaria

Etex Building Performance S.A.

Str. Vulturilor Nr. 98, 5th Floor
030857 Bucharest, Romania
M +359 878 81 51 05
E info.bg@promat-see.com
www.promat-see.com

Croatia, Bosnia and Herzegovina

Etex Building Performance

Promat d.o.o., Podružnica Zagreb

Kovinska 4a
10090 Zagreb
T +385 1 349 63 24
F +385 1 379 41 54
E info.hr@promat-see.com
www.promat-see.com

Greece

Etex Building Performance S.A.

Str. Vulturilor Nr. 98, 5th Floor
030857 Bucharest, Romania
T +40 31 224 01 00
F +40 31 224 01 01
E info@promat-see.com
www.promat-see.com

Hungary

Etex Building Performance

M +36 30 343 2572
M +36 30 455 1273
M: +36 30 541 8316
E info.hu@promat-see.com
www.promat-see.com

Kosovo, Albania

Etex Building Performance Sh.A.

Ulpiana, D-1, HY-4 Nr.2
10000 Prishtina
T +383 38 553 407
M +381 64 61 39 763
M +377 44 120 671
E info@promat-see.com
www.promat-see.com

Romania

Etex Building Performance S.A.

Str. Vulturilor Nr. 98, 5th Floor
030857 Bucharest
T +40 31 224 01 00
F +40 31 224 01 01
E info.ro@promat-see.com
www.promat-see.com

Serbia, Macedonia, Montenegro

Etex Building Performance d.o.o.

Vojvode Putnika 79
21208 Sremska Kamenica
T +381 21 210 10 90
M +381 63 625 426
M +381 63 510 720
E info.rs@promat-see.com
www.promat-see.com

Slovakia

Etex Building Performance

EBM Co. s.r.o.

Štúrova 155
949 01 Nitra
M +421 915 936 126
E info.sk@promat-see.com
www.promat-see.com

Slovenia

Etex Building Performance

Promat d.o.o.

Kidričeva 56b
4220 Škofja Loka
T +386 4 51 51 451
F +385 4 51 51 450
E info.si@promat-see.com
www.promat-see.com