



PROMACLAD®

Boards and Pipes made out of compressed Vermiculite for High Temperature insulation

PROMACLAD®		900	1100/3	1100/6	1100-AL
Nominal Density	Kg / m ³	375	375	600	1200
Classification temperature	°C	900	1100	1100	1150
Compressive strength	MPa	1.5	1.5	4.5	12
M.O.R.	MPa	0.5	0.5	1.8	3.7
Linear shrinkage, 12 hours	900°C	2.0	0.1	0.1	-
	1050°C	-	1.5	1.5	1.0
Permanent linear change	m /mK	8,5 x 10 ⁻⁶	8,5 x 10 ⁻⁶	8,5 x 10 ⁻⁶	12 x 10 ⁻⁶
Thermal conductivity at mean temperature of	200°C	0.14	0.12	0.16	0.23
	400°C	0.16	0.15	0.18	0.26
	600°C	0.19	0.18	0.20	0.30
	800°C	-	0.20	0.22	0.33
Specific heat	kJ /kgK	0.80	0.80	0.80	1.0
Humidity content	%	2-3	2-3	2-3	2-3
Smoke emission		none			
Flame impingement resistance		excellent			
Chemical resistance		hydrocarboni, carbon oxide, molten aluminium, CH ₄ (atm), fluoride, cryolite.			

Sizes: Boards:	Length (mm)	Width (mm)	Thickness (mm)
	1000 / 500	610 / 300 / 400	12, 15, 18, 20, 25, 30, 40, 50, 60, 65, 70, 75, 80
Pipes:	Length (mm)	Diameter (mm)	Thickness (mm)
	600, 667	da 15 a 273	30, 40, 50

other sizes on request

Workability



The above data are given in good faith and refer to internal standard test procedures based on internationally recognized testing methods; they are subjected to normal fluctuation during the production process. No warranty are herewith given regarding specific applications without our prior written approval. Our data sheets cannot be used for technical specifications purposes without our authorization. All right reserved – Promat is a registered trademark.

