



# MONOLUX®

Large Size Monolithic Calcium Silicate Board for Structural Thermal Insulation

MONOLUX®		500	800	
Classification Temperature	°C	500	800	
Nominal density	Kg /m <sup>3</sup>	770	950	
Shrinkage at classification temperature, 4 hours (length, Width / thickness)	%	0,29 / 0,68	0,4 / 2,0	
Thermal conductivity at mean temperature of:				
	25°C	W /mK	0.18	0.35
	200°C		0.19	0.30
	500°C		0.20	0.31
	800°C		-	0.33
Flexural strength	MPa	7.0	10	
Cold compressive strength				
5% compaction	MPa	11.5	22.9	
10% compaction		13.4	27.2	

Sizes:	Length (mm)	Width (mm)	Thickness (mm)
MONOLUX 500	2440 / 3050	1220	12,7 - 19,8 - 25,4 - 31,8 - 38,1 - 50,8
MONOLUX 800	2440 / 3050	1220	12, 15, 20, 25, 30, 40, 50
Other sizes available on request			

tolerances:	Thickness	Length / Width
	± 1.8 mm	-2 / +4.8 mm

### Workability



due to its high hygroscopicity it is recommended to heat treat the boards or the components before use. Of around 100°C for 6 hours. For specific applications please contact our technical department.

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.

