

## TECHNICAL DATA SHEET

## CALCIUM SILICATE BOARD PRO-1000, PRO-1100

Calcium silicate boards constitute a lightweight high temperature insulator. Perfectly suited for insulating wooden beams, side walls and the wall behind the fireplace, it creates a light and rigid structure and is easy to work with. The product is safe and health-friendly - it is fibre-free. The surface hardening and autoclaving processes during production make the board a dust-free product. Thanks to its properties, it is also perfect for insulating any equipment related to combustion or high temperatures, such as: cookers, ovens, boilers, immersion furnaces, net regenerators, etc. Thanks to its high resistance to carbon monoxide and hydrocarbons, calcium silicate board can be used in furnaces with a reducing atmosphere. When exposed for 200 hours to CO at 450°C, no decomposition of carbon deposits is observed.



		PRO-1000	PRO-1100
Colour		white	white
Classification temperature	°C	1000	1100
Density	kg/m <sup>3</sup>	245	285
Cold compressive strength	N/mm <sup>3</sup>	>1,5	>2,5
Linear shrinkage			
1000 °C – 12h	%	1,3	-
1050 °C – 12h	%	-	<2
Thermal conductivity:			
200 °C	W/mK	0,075	0,085
400 °C	W/mK	0,105	0,105
600 °C	W/mK	0,145	0,145
800 °C	W/mK	0,175	0,185
Specific heat	kJ/kgK	1,03	1,05
Reversible thermal expansion	K <sup>-1</sup>	5,4x10 <sup>-6</sup>	5,5x10 <sup>-6</sup>

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