

## TECHNICAL DATA SHEET

### THERMAL INSULATION BOARD PRO-1150 BIO

Thermal insulation boards are made of alkaline earth silicate (AES) fibres obtained by pressing with the addition of suitable binders and fillers. The board can be cut with a die or a plotter for sealing and thermal insulation. PRO-1150 BIO boards are manufactured from bio-soluble fibres that are not classified as harmful under any EU directive.

#### FEATURES

- resistance to thermal shock,
- low thermal conductivity,
- good chemical resistance,
- easy to process mechanically

Type		1150
Fibre type		Alkali earth silicate wool
Maximum working temperature	°C	up to 1300
Thermal conductivity		
500 ° C	W/mK	0,11
800 ° C	W/mK	0,13
1000 ° C	W/mK	0,21
1200 ° C	W/mK	0,29
Bursting resistance	Mpa	3
Maximum ignition loss	%	25
Shrinkage	%	3
Density	kg/m <sup>3</sup>	910 ± 15 %
Colour		beige
Size +/- 10%	mm	1000x1000
Thickness +/- 5%	mm	2, 3, 4, 5, 6, 8, 10
Chemical analysis		
SiO <sub>2</sub>	%	62 - 68
CaO	%	26 - 32
MgO	%	3 - 7
Other	%	< 1

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