

## TECHNICAL DATA SHEET

## THERMAL INSULATION BOARD PRO-850 , BOARD PRO-1100, BOARD PRO-1250

Asbestos-free thermal insulation board based on ceramic and stone fibres and binder-bonded fillers, with a temperature resistance of 850 , 1100 OC, 1250 OC. Used as an electrical insulator. Very easy to cut, punch, machine and shape wet (smaller thicknesses). Excellent price - quality ratio. BOARD PRO is a board made of mineral fibres that meets the requirements of the new European Directive 97/69EC concerning reduced dust pollution.

Board PRO insulating board should have a smooth surface without damage with permissible traces of interlaying fabric. Each load of heat insulating board Board PRO-850, Board PRO-1100 and Board PRO-1250 should be stored in closed, ventilated rooms in conditions protecting them from wetness and humidity with temperature min 15 °C and max. 50% humidity.



			Board Pro-850	Board Pro-1100	Board Pro-1250
Maximum working temperature		°C	850	1100	1250
Density		kg/m <sup>3</sup>	900-1000		
Maximum ignition loss		%	25	25	25
Maximum surface shrinkage		%	3	3	3
Thermal transmittance at	400 °C	W/mK	0,17	0,16	0,15
	800 °C	W/mK	0,21	0,19	0,18
Organic content		%	5	10	5
Tensile strength	along fibres	kg/cm <sup>3</sup>	35	32	35
	across fibres		15	26	15
Compressibility at 70 kg/cm <sup>3</sup>		%	15-20	8 – 12	15 - 20
Elastic recovery		%	25	23	13,3
Dielectric constant			20,2		0,55
Dielectric loss factor			0,49		13500
Cross-insulation resistance		MΩ/cm	9900		13000
Breakdown voltage		V/cm	14000		
pH				7	

## Standard size:

Sheet length	1000 ± 10,0mm
Sheet width	1000 ± 10,0mm
Sheet thickness	2mm do 10mm ± 10%

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