

IZOBREX[®] Refractory boards

IZOBREX[®] refractory boards are made of a mixture of fibres applicable at up to 1100°C and mineral wool, bonded with organic and inorganic bonding agents. IZOBREX[®] refractory boards are primarily designed for thermal insulation at 600 – 800°C. Two types are manufactured, different in the proportion of components in the base mixture and the resulting application temperatures:

- 1) IZOBREX[®] 600 – for use at temperatures up to 600°C
- 2) IZOBREX[®] 800 – for use at temperatures up to 800°C


IZOBREX[®] boards are used as thermal insulation in a variety of products in the energy, machinery and electrical engineering sectors and glass-making as well as insulation for cable runs and as part of fire protection measures in utility areas of facilities and structures. Other applications include thermal insulation in linings of periodically operating furnaces (insulation of outer envelope and chambers), thermal insulation lining of boilers (doors, exhaust lines, envelopes, etc.).

The boards are made using the paper mill process from water slurry, they contain suitable bonding agents, refractory fibres and mineral wool in an adequate proportion.

Property	Unit	IZOBREX [®] 600	IZOBREX [®] 800
Bulk density	kg/m ³	200 ±25	200 ±25
Width	mm	1000 ±5	1000 ±5
Length	mm	500, 750, ±2	500, 750, ±2
Thickness	mm	15, 20 ±2	15, 20 ±2
Humidity (max.)	%	2	2
Loss by annealing (max.)	%	5	5
Coefficient of thermal conductivity	W.m ⁻¹ .K ⁻¹	200°C 600°C	200°C 800°C
		0.07 0.16	0.07 0.21
Compression strength at 10% deformation (min.)	kPa	-	-
Shrinkage after heat exposition	%	2 (at 600°C for 24 hrs)	2 (at 800°C for 24 hrs)
Flammability level		difficult to inflame	difficult to inflame
Maximum application temperature	°C	600	800

We can supply other dimensions and cutouts as well depending on customer specifications.

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Certifikace:
ISO 9001 
ISO 14001

