

Ceramic Fiber Millboard

ICP B1000

DESCRIPTION

High temperature sealing material based on a blend of ceramic fiber bonded with mineral fibers, suitable for operating conditions up to 1000 °C.

CHARACTERISTICS

- High temperature stability (up to 1000 °C)
- High dimensional stability with low shrinkage
- Low thermal conductivity
- Thermal shock resistance
- Easy to cut with standard tools
- Excellent flexural and compressive strength
- Chemically resistant

APPLICATION

- Refractory backup
- Induction furnace coil protection
- Heat shields
- Launder linings & gaskets
- Syphon gaskets
- Combustion chamber linings
- Hot gas linings
- Industrial dryers

AVAILABILITY

- Thickness (mm): 2, 3, 4, 5, 6, 8, 10, 12 (± 10%)
- Millboard size (mm): 1000 x 1000

*Possibility to supply different sheets on request
(minimum quantities are required)*



PRODUCT PARAMETERS

Physical Properties

Classification Temperature	1000 °C
Colour	Beige
Density	0,95 g/cm ³
Thermal Conductivity at 400 °C	0,14 W/m. K
Compressibility ASTM 36 K method (70 Kg/cm ²)	10 %
Recovery	40 %
Loss on ignition at 800 °C	11 %

Tensile Strength (kPa)

Longitudinal Fibers	45 Kg/cm ²
Transversal Fibers	35 Kg/cm ²

Permanent Linear Shrinkage (%)

24 hour at 1000 °C < 1