Biosoluble Fiber Board

ICP PLCV BIO

DESCRIPTION

ICP PLCV BIO boards are manufactured from alkaline earth silicate wool, blended with specially selected inorganic and organic binders to give rigid boards with exceptional characteristics.

These boards exhibit high strength and rigidity coupled with excellent insulating performance and high temperature stability. ICP PLCV BIO board is particularly designed to applications where reduced out gassing are required.

CHARACTERISTICS

- Low thermal conductivity
- Low heat storage
- Excellent thermal shock resistance
- Resists most chemical attacks
- Easy to cut, handle and install
- Resists penetration by molten aluminum and other nonferrous metals

APPLICATION

- Refractory lining for industrial furnaces for walls, roofs, doors, stacks, etc.
- Combustion chamber liners, boilers and heaters.
- Transfer of molten aluminium and other nonferrous metals
- Expansion joints boards
- Barrier against flame or heat

PRODUCT PARAMETERS

Physical Properties

Classification Temperature	1260 ºC
Colour	white
Tensile Strength	0,5 MPa
Melting Point	1500 ºC
Loss on Ignition	< 8

Thermal Conductivity

Tª	W/m K
400ºC	-
600ºC	0,14
800ºC	0,18
1000ºC	0,23

Chemical Analysis

	Average Values (wt %)
SiO_2	70 - 82
MgO	18 - 30
Trazos	< 6

Permanent Linear Shrinkage (%)

24 hour soak *at 1100 ºC*	- 4

AVAILABILITY

Thickness (mm)	1200 x 1000 mm	Boards per box
10	✓	10
12	✓	8
20	✓	5
25	✓	4
50	✓	2

*Other thicknesses and roll/sheet sizes are available under request.

This properties indicated in this brochure are typical values obtained in serial testing and determined by acknowledged test methods. The information provided in this brochure does not represent guaranteed properties and cannot be used for any warranty claims.

The technical data of the product may be changed without prior notice. Calvo Sealing reserves the right to make alterations of the technical data and the materials herein without prior notice in order to keep up with engineering progress and new developments.

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