CERAMIC FIBER BOARD · BRAND: LUYANGWOOL®

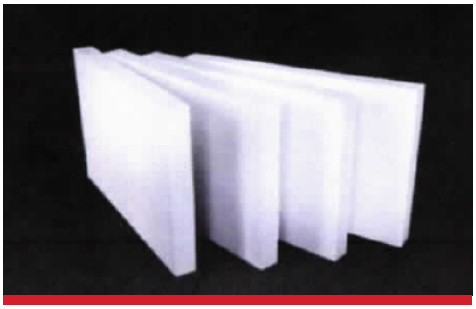
Ceramic Fiber Board

Rigid wet-formed fiber board – four grades from 1260 °C to 1430 °C

Product Overview

LUYANGWOOL® Board is made by a wet-forming process from LUYANGWOOL® bulk fiber and binders. It is designed for insulation where the lining faces vibration, mechanical stress and erosive forces.

Its high insulating capability helps reduce energy costs and cycling times, while also protecting refractory surfaces from thermal shock and chemical attack.



Key Features

- Excellent thermal shock resistance
- Easy to machine, cut and shape
- High rigidity and light weight
- Low thermal conductivity
- Low heat storage

Typical Applications

- Hot face lining in petrochemical furnaces
- Hot face lining in ceramic kilns
- Board over blanket hot face lining
- Back-up insulation to brick and castable
- Expansion joints

Technical Data

Grade	STD Board	HP Board	HA Board	HZ Board
Classification Temperature (°C)	1260	1260	1350	1430
Colour	White	White	White	White
Density (kg/m³)	250 / 300 / 360	250 / 300 / 360	300 / 360	300 / 360
Modulus of Rupture (MPa)	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3
Compressive Strength (MPa, 10% deformation)	0.15 / 0.25 / 0.3	0.25 / 0.3	0.25 / 0.3	0.25 / 0.3
Loss on Ignition (%)	≤ 6	≤ 6	≤ 6	≤ 6
Permanent Linear Shrinkage (%), 24 h	≤ 3.0 at 1000 °C	≤ 3.0 at 1100 °C	≤ 3.5 at 1200 °C	≤ 3.5 at 1350 °C
Thermal Conductivity (W/m·K)				
400 °C	0.08	0.07	0.07	0.07
600 °C	0.11	0.10	0.10	0.09
800 °C	0.14	0.14	0.13	0.13
1000 °C	0.19	0.19	0.19	0.18

All values are typical average results given for guidance only; they do not constitute a guaranteed specification. Suitability for a specific application should be confirmed by the user.