

calcium silicate board

Technical data sheet

Description:

Termoseal BV Ref no. **CSB** is calcium silicate board obtained by press molding a mixture of reinforced fiber and calcium silicate crystal which is obtained by hydrothermally reacting calcareous material and siliceous material with water, and by then drying the molded product. It contains calcium silicate as a main ingredient and continuous glass fiber as inorganic reinforced fiber. It widely used in building and industry thermal insulation.

MAIN PHYSICAL PROPERTIES:

ITEM	UNIT	TECH. DATA.
DIMENSION	MM	150X610 300X610 900X610 1000X500
THICKNESS	MM	25MM UP TO 100MM
TEMP	°C	1000
DENSITY	KG/M3	220KG/M3
COMPRESSIVE STRENGTH	MPA	≥0.688
BENDING STRENGTH	MPA	≥0.344
COEFFICIENT OF THERMAL CONDUCTIVITY (UNDER 212 °F)	W/(m.K)	≤0.062
MOISTURE CONTENT	%	≤3.1
CRYSTALLINE SILICA CONTENT	%	0.7
LINEAR SHRINKAGE UNDER HEATING	%	≤1.54%

CHEMICAL COMPOSITION:

ITEM	UNIT	TECH. DATA.
SiO ₂	%	44.42
Al ₂ O ₃	%	0.29
MgO	%	0.24
CaO	%	43.72