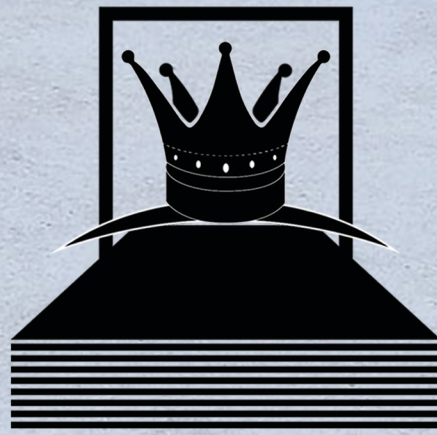


BRGTM
for better Insulation



KINGS CALCIUM SILICATE BOARD WITH HIGH IMPACT STRENGTH AND MOISTURE AND FIRE RESISTANT PROPERTIES

KINGS Calcium silicate board is the perfect choice for building board applications such as wall cladding, wall partitioning, decorative walling and ceiling. The types of buildings that are suitable for applications are residential, commercial and industrial buildings as well as schools and hospitals; especially where speedy construction, cleanliness, fireproof and hygiene is of high importance.

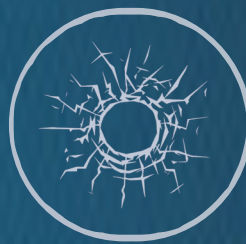
Benefits of KINGS Calcium silicate board



FIRE PROOF



WEATHER RESISTANT



SHATTER RESISTANT



LOW SHRINKAGE



**IMMUNE TO WATER
DAMAGE**



**SOUND AND HEAT
INSULATION**



**TERMITE
RESISTANT**



**HIGH DEGREE OF
WORKABILITY**

MATCHING THE DEMANDS OF MODERN APPLICATIONS ►

KINGS Calcium silicate board is a non-asbestos panel product composed of Portland cement, cellulose fibre and refined sand. Using a special manufacturing process called autoclave, calcium silicate board acquires the strength, durability of cement and easy workability of wood as well as dimensional stability. A Non-Combustible multi-purpose application fibre-cement flat board, calcium silicate board comes with various thicknesses which are suitable for various applications; ceiling, wall, and floor.

It can be used for both exterior and interior applications. calcium silicate board can perfectly be calibrated and then laminated or coated with other materials, such as eg. wood veneer.

TECHNICAL DATA ►

PHYSICAL PROPERTIES

Thickness Tolerance	+ 6%
Density	Approximately 1350 + 50 kg/m ³
Modulus of Rupture	> 7 MPa (Wet)
Modulus of Elasticity	5500 + 50 MPa (Wet)
Water Absorption	< 30%
Moisture Content	< 10%
Water Tightness	Pass
PH Value	7-8
Thermal Conductivity	0.15 W/m.K
Acoustic Insulation	STC =30 dB (6 mm Single Layer board)
STC = 50 - 60 dB (10 mm composite wall)	
Moisture Movement	+ 0.40%

FIRE RESISTANCE PROPERTIES

Ignitibility	Pass
Fire Propagation Index	I = 0.1
Surface Spread of Flame	Class 1
Reaction to Fire	A1 ; BS476 Part 4 (PASS)

DURABILITY PROPERTIES

Freeze / Thaw Resistance	Pass
Warm Water Resistance	Pass
Heat / Rain Resistance	Pass
Soak / Dry Resistance	Pass

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