

BUILDLITE

Vermiculite based thermal insulating material

DESCRIPTION

BUILDLITE is basically hydrated magnesium-aluminium iron silicate popularly known as exfoliated vermiculite.

BUILDLITE is specially grading exfoliated vermiculite used as thermal insulation materials on overdecks in building industries.

METHOD OF MIXING

BUILDLITE is mixed with the cement in the ratio of 1:6 by volume, one part of cement and six part of **BUILDLITE**. It is to be mixed dry prior to the mixing of water.

FEATURES

- ❖ High thermal insulation
- ❖ Excellent fire proof & acoustic material
- ❖ Conforming to IS : 10555
- ❖ User friendly
- ❖ Desired slope can be maintained
- ❖ Light weight

PROPERTIES

SR. NO.	PROPERTIES	VALUES
1.	Density (kg/m ³)	220
2.	Density applied (kg/m ³)	450
3.	Melting Point °C	1300
4.	Specific Heat	0.2
5.	Specific Gravity	2.2 – 2.7
6.	Ph	7.0
7.	Colour	Light brown
8.	Thermal Conductivity	0.058kCal/mhr ² C
9.	Shape	Flaky granules
10.	Hardness	1.5 to 3.0 on Mho's scale
11.	Incombustibility	Upto 1100°C

PACKING

Packed in HDPE bags : one bag contains 22 kg (0.1 cum apprx)

COVERAGE

One cubic meter of composite material covers 140 - 145 sq. Ft. With an average thickness of 75 mm and 210 - 215 sq. Ft.. If laid in average thickness of 50 mm.