

Shreeinsul Blanket

Shreeinsul Lightly Resin Bonded (LRB) Blanket offers an advanced solution for insulation needs, combining exceptional thermal efficiency with flexibility for different surface shapes and sizes. These matteresses are made of molten stone wool fibres bonded by a suitable resin and then stitching with GI wire mesh. This material complies to ASTM C592 & IS 8183



Key Features

- Superior Thermal Properties
- Water repellent
- Nominal Thermal Conductivity
- Easy to handle and install
- Fire Resistant

TECHNICAL DETAILS								
S.no	Characteristics	Reference specification	Value					
1.	Thermal Conductivity (Density: 128 kg/cum)	IS 8183	Mean Temp.	50	100	150	200	250
			k value (W/mK)	0.036	0.042	0.051	0.06	0.071
2.	Maximum Service Temp	IS 8183	Upto 750°C					
3.	Leachable Chlorides Content	ASTM C871	10 ppm max					
4.	Surface Burning Characteristics	ASTM E84	FSI: 0, SDI: 0					
5.	Shot Content	IS 8183	250 Microns - 15% Max, 500 Microns - 5% Max					
6.	Incombustibility (Loss of Weight %)	IS 8183	5 Max					
7.	Moisture Content (% weight)	IS 8183	2 Max					
8.	Water Vapour Absorption	IS 8183	< 1 %					
9.	Fibre Dia (microns)	IS 8183	7 Max					
10.	Sulphur Content	IS 8183	0.6 % Max					
11.	Recovery after Compression	IS 8183	90% Min					
12.	Alkalanity (pH)	IS 8183	7-10					
13.	Heat Resistance	IS 8183	No Fusion of Fibres					
14.	Resin Content		2 % Max					
15.	Compressive Strength at 10% Deformation		120 kg/sqm Min					
16.	Linear Shrikage		2% Max					

* This material is available in different thickness and densities with different facings, In Roll form or in folded form.