

TUFFINSUL Lamella Batts

TUFFINSUL Lamella range offers superior and durability for application areas where high levels of compressive strength are required.

Standard Dimensions

Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (m)
100 to 150	Various thickness from 25mm to 118mm	100 to 110	0.92 to 1.2

PERFORMANCE

Working Temperature

Product : Up to 750 °C

At temperatures in excess of 230 °C a limited migration of binder may occur in the insulation in contact with the hot face. This does not impair the insulation performance.



Compression strength of TUFFINSUL Lamella.

Density (kg/m ³)	Thickness (mm)	Minimum compressive strength at 10% deformation (kPa)
100	50	105
140	50	115
144	50	130
144	100	142

These are typical values subject to normal manufacturing and testing variances.

Applications

TUFFINSUL Lamella is used for thermal and acoustic insulation where high compressive strength is required. It is commonly used in heavy loaded sandwich panels, floors and roofs.



How to use Lamella?

Check the fibre orientation of the TUFFINSUL Lamella before sandwiching in between two metal surfaces with glue. Utmost care should be taken to ensure that the fibres are oriented perpendicular to the width of the two metal surfaces, in order to achieve optimum compression strength.

Installation Procedures

Before installing TUFFINSUL Lamella, make sure to clear away any dust or grease and dry the surface, and then place carefully over the surface to be insulated. Care should be taken to ensure that the Lamella fits properly and no gaps are left at the joints. Depending on the surface and equipment, pins or spacers should be used to fix the Lamella in place.

Handling & Storage

TUFFINSUL Lamella products should be stored safely indoors. If stored outside, they should be stacked clear off the ground and covered with a securely anchored weatherproof sheet.

Stonewool Insulation for Thermal, Acoustic and Fire Safety Applications in Buildings



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