

## Spanrock® for Sandwich Panel



### General Installation Guide

ROCKWOOL® stone wool products are non-combustible with a melting point more than 1000°C. They are particularly suitable for the thermal insulation, fire protection, and sound reduction.

ROCKWOOL stone wool is inorganic and contains no nutritious substance. Therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs, or asbestos are used in the manufacture of ROCKWOOL stone wool products.

### Applications

ROCKWOOL Spanrock® provides an excellent structural core for factory engineered flat and profiled sandwich panels. It is suitable for outdoor and indoor applications such as facades, walls, roofs, partitions, ceilings and heavy loaded sandwich panels for e.g. extra wide spans or application of greater height.

ROCKWOOL Spanrock core is non-combustible and it is rated A1 in accordance with European Fire Class EN13501-1.

### Handling

ROCKWOOL Spanrock slab is designed precision cutting into lamella for sandwich panel core. The product is lightweight and easy to cut. Spanrock after cutting and turning 90° into lamella, provide a stiff and resilient non-combustible core, ideally suited for the manufacturing of sandwich panel.

Spanrock should be placed in staggering position in accordance with the sandwich panel manufacture's requirement. The surface of the cut lamella must be smooth and free of excessive dust prior to surface bonding. During sandwich panel production, any compression of the core must be to maximum of 1% of the core thickness.

# Spanrock® FOR SANDWICH PANEL

## Packaging and Storage

ROCKWOOL Spanrock products are packed in P.E. bags, shrinkwrap films or in pallets as appropriate or as requested by the sandwich panel manufacturer. Please keep the product dry before using.

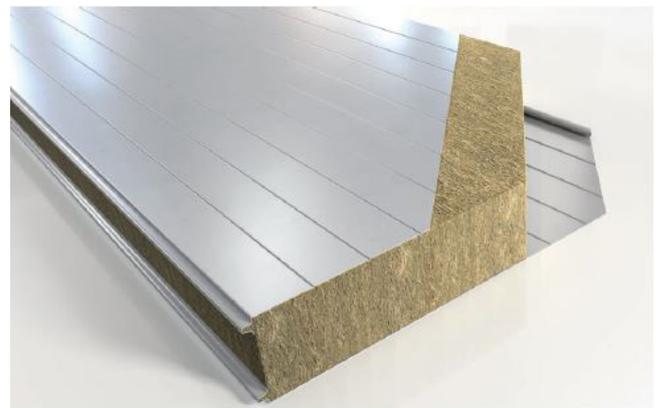


## Dimension

Spanrock®	10.T	12.5.T
Nominal Density (kg/m³)	100	125
Size : L x W (mm)*	1200 x 600 to 2200 x 1200	
Thickness (mm)**	50 - 140	50 - 110

\* Other sizes are available upon request

\*\* Thickness tolerance: ± 3mm



## Technical Parameters

Property	10.T	12.5.T	Standard
Compression Strength (kPa)	70	120	EN 826
Tensile Strength (kPa)	144	170	EN 1607
Shear Strength (kPa)	32	40	EN 12090
Thermal Conductivity (W/mK)*	0.036	0.037	ASTM C518
Fire Performance	Non-combustible / Euro Class A1		EN 13501-1
Melting Point of Stone Wool Core	> 1000°C		ASTM E794
Water Vapor Absorption (Moisture Resistance)	< 0.04%, by volume		ASTM C1104/C1104M
Water Absorption (Partial Immersion)	< 1.0 kg/m²		EN 1609

\* Thermal conductivity for lamella direction will be available upon request.

Thermal conductivity is tested at mean temperature of 20°C in accordance with ASTM C518 by external accredited laboratory. It is recommended to have a safety factor of 20% as design value.

Note: The above compression tensile and shear strength are based on products from ROCKWOOL (Thailand) Limited, and they are measured from machine direction lamellas.

## ROCKWOOL (Thailand) Limited

WHA Eastern Industrial Estate  
 (Map Ta Phut) 1 Soi G 2  
 Pakornsongkrohaj Road  
 Huaypong, Muang,  
 Rayong 21150, Thailand  
 T (+66) 3868 5107-10

[www.rockwool.com/th/](http://www.rockwool.com/th/)