Product data sheet Triflex XPS Insulation

Use

Triflex XPS Insulation is a high-performance, multi-purpose polystyrene for the thermal insulation and frost protection of inverted flat roofs, green and blue roofs. An extruded polystyrene (XPS) inverted insulation board with rebated lap for jointing.

Board dimensions and thickness					
Dimensions	Value (mm)				
Length	1,250				
Width	600				
Thickness	50-200mm Thickness range				

Design loading

130kN/m².

Edge profile

Ship lap.

Application method

To main area: Carefully set out to minimise cutting and wastage and lay insulation in brick bond pattern, firmly pushing together any interlocking edges and cutting tightly around projections, upstands, outlets etc.

Once installed, ensure there is no springing, flexing or rocking of boards and secure against wind uplift as soon as possible with ballast.

To upstands: Lay insulation tightly against separating layer to upstands using the insulation to main area to restrain in place that at the upstand.

Upstands must be protected with a twice bent flashing at least 150mm above the surface of the ballast / paving which should also restrain the open edge of the insulation.

Application conditions	
Condition	Value
Working temperature range	-50°C to +75°C

Essential characteristics

Thermal conductivity BS EN13164

Thickness	Value	Unit
≤ 120mm	0.030	W/m.K
< 120mm	0.031	W/m.K

Mechanical properties

Description	Standard	EN code	Value	Unit
Compressive stress or compressive strength at 10% deformation	EN 826	CS (10/Y)120	300	kPa

Fire Classification

BS EN 13501-1 Euroclass E.



Storage / shelf life

Store raised off the ground and protected from poor weather in a well ventilated area. Damaged and wet products must not be used.

Do not store other products on top.

Do not allow the product to come into contact with naked flames, solvents or chemicals.

Notes

The advice we provide on the application of our products is based on extensive development work and many years of experience, and is given to the best of our knowledge. The wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the contractor to test the product for suitability in each case. Triflex reserve the right to make alterations in keeping with technical developments or improvements.

Non-Triflex products must not be used with Triflex systems.

Only the most recent version of this data sheet is valid.