PrinciPal
BUILDING PRODUCTS

Data Sheet

Rhinovent Super

Rhinovent Breathable Roof Tile underlays are a composite structure, maufactured by lamination of a water vapour permeable film between two layers of nonwoven spunbond polypropylene to form a flexible, vapour permeable, roof tile underlay for unsupported and fully supported specifications.

Rhinovent Breathable Roof Tile underlays are suitable for use in warm non-ventilated and cold ventilated pitched roof systems and available in two weights.

Weathertightness - As part of a complete roof, the product will resist the passage of water and wind-blown snow and dust into the interior of the building. Risk of condensation - the product can be regarded as a low water vapour resistance (Type LR) underlay and can be used as part of a non-ventilated warm and ventilated cold, roof system.

Wind loading - When installed on appropriately spaced battens the products' physical properties are deemed adequate to resist the wind loads imposed on the underlay. The product will reduce the wind uplift forces acting on the roof covering.

Strength - The product has adequate strength to resist the loads associated with the installation of the roof.

Durability - Under the normal conditions found in a roof space the product will have a service life comparable to a traditional roof tile underlay.

Stock Sizes - 1 x 50m , 1.5m x 50m

Characteristic (Units)

Mass per unit area	EN 1849-2		165g/m² (+/-10 g/m²)			
Reaction to Fire	EN 13501-1		Class D, d2*			
Water vapour resistance Sd	EN ISO 12572		0.029 m (+/- 0.01)			
Water penetration	EN 1928	**Before ageing:** **After ageing:**	Class W1 Class W1			
Tensile strength	EN 12311-1	**Before ageing:** **After ageing:**	MD 400 N (-80 N) MD 340 N (-80 N)		CD 260 N (- 50 N) CD 220 N (- 50 N)	
Elongation	EN 12311-1	**Before ageing:** **After ageing:**	MD 80% (- 20%) MD 65% (- 20%)		CD 100% (- 22 %) CD 80% (- 22 %)	
Tear Resistance	EN 12310-1	**Before ageing:**	MD 190N (-50 N)		CD 190N (- 60 N)	
Flexibility at low temperature	EN 1109		No cracking at minus 60°C			

BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION
Agrément Certificate