



Daltex[®] Reflective VCL

Reflective Vapour Control Layer

Technical Information

Daltex[®] Reflective VCL is a reflective, high resistance vapour barrier for internal walls, ceilings and floors, specifically designed to enhance the thermal performance when placed on the warm side of the insulation.

Daltex[®] Reflective VCL is a Type A vapour control layer tested to EN 13984 Flexible sheets for waterproofing - Plastics and rubber vapour control layers.

Daltex[®] Reflective VCL conforms to the Construction Products Regulation (EU Regulation No. 305/2011), vapour control layers (Annex ZA of EN 13984) and is manufactured under control of an ISO 9001 quality management system.

Product Characteristics

Product Code			RCL 142			
Mass per unit area	EN 1849-2			142g/m ² (+/- 10 g/m ²)		
Reaction to Fire	EN 11925-2			Class E*		
Water vapour resistance Sd	EN 1931			150m		
Vapour Resistance	EN1931			750 MN/sg		
Water penetration	EN 1928			Class W1 (Before and After ageing)		
Tensile strength	EN 12311-2	Before ageing	MD 225 N (- 60 N)	CD 200 N (- 50 N)		
		After ageing	MD 185 N (- 60 N)	CD 170 N (- 50 N)		
Elongation	EN 12311-2	Before ageing	MD 59 % (- 20 %)	CD 70 % (- 20 %)		
		After ageing	MD 39 % (- 20 %)	CD 50 % (- 20 %)		
Tear resistance	EN 12310-1	MD 155 N (- 55 N)		CD 155 N (- 55 N)		
Flexibility at low temperature	EN 1109			No cracking at minus 40°C		

*When tested over a rock wool substrate

Conditions applicable to the end use of the product

Rolls should be stored flat or on a clean, level surface and kept under cover.

Method of Installation

The vapour control layer should be installed as detailed in National Building Regulations. Any guidelines concerning installation that are supplied with the product should be consulted prior to laying.

For general information – the vapour control layer should be positioned on the warm side of the thermal insulation, with the foil side facing the cavity. In ceilings the product is placed between the underside of the rafters and the ceiling lining. In floors the product is placed on top of the structural decking or insulation (where present) and below any screed or sensitive floor coverings. Adjacent sheets should be lapped by 50mm and sealed with a suitable tape. Minimise penetrations caused by services and seal all joints.

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