

Technical Information

Vapour Control Layers

Certain construction designs call for a complete air and vapour barrier to control condensation and air movement within the building. VapourTX® VCL116 and VapourTX® VCL146 are high resistance vapour barriers for internal walls, ceilings and floors, specifically designed to reduce the transfer of water vapour through the structure when placed on the warm side of the insulation.

VapourTX® Thermo 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. VapourTX® THERMO assists in enhancing overall thermal performance of the cavity.

The VapourTX® Range is also available with a double integral tape for ease of installation and enhanced air tightness. These are sold as the **Conseal Range**. For information on the conseal tape specifications, please refer to the "Conseal Integral Tape" datasheet.

- Forms a barrier against air leakage and water vapour transfer
- Can be used in walls, ceilings and floors
- Tested to EN 13984 flexible sheets for waterproofing – plastics and rubber vapour control layers

TEST	METHOD	VapourTX® 116 VCL	VapourTX® 146 VCL	VapourTX® Thermo RCL142	VapourTX® 116 VCL CONSEAL
Product Code		Air/vapour barrier vapour control layer		Reflective air/vapour barrier control layer	VCL Conseal
Fabric Weight (g/m ²)	EN 1849-2	116 (+/- 10)	146 (+/- 10)	142 (+/- 10)	116 (+/- 10)
Reaction to Fire	EN 11925-2			Class F	
Water Vapour Resistance MN/S	EN 1931			15 m (+/- 2)	
Water Penetration	EN 1928			Class W1	
Tensile Strength (N/5cm)	EN 12311-1 MD	240	270	260	240
Elongation (%)	EN 12311-1 CD	150	180	200	150

MD = machine direction, CD = cross/transverse direction

Conditions applicable to the end use of the product

Rolls should be stored flat 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.

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 150mm and sealed using the conseal tape. Minimise penetrations caused by services and seal all joints.

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