



Description

Delta Ultra Control VCL is a robust, highly reflective air and vapour control layer (AVCL), suitable for timber, masonry or steel.

Offering excellent thermal resistance, Delta Ultra Control VCL is available with integrated tape to seal overlaps to ensure radiant heat is reflected back into the structure, minimising absorption and energy transfer.

Suitable for wall, floor, and roof constructions.

Features

- Prevents condensation risk (BS 5250:2011+A:2016)
- Reduces the chance of mould and rot
- Protects insulation in a concrete floor build up from wet screeds
- Reduces heat loss
- Improves energy efficiency
- Suitable for timber, masonry or steel construction
- Available with integrated tape to seal overlaps

Fields of Application

- For projects which require limiting the passage of moisture-rich air into a buildings fabric
- Where insulation is being installed on the inner face of a construction
- To protect the insulation from wet screeds in a concrete floor build-up
- Certain installations and modifications to existing properties

Associated Products

- Delta MS 500
- Delta Glass Insulation

Product Details

DMS 046

Specification

- J31/330 Air and vapour control membrane
- J41/395 Air and vapour control membrane
- P10/60 Air and vapour control layer
- J42/395 Air and vapour control layer
- Pr_25_57_08_75

Packaging

Supplied in 1.5m x 50m rolls

Storage

Store safely and keep out of reach of children
Always store and transport in a secure upright position

Guarantees

Delta Membrane Systems Limited offer a 30-year Product Guarantee on membranes, seals and fixings when a Delta External System has been installed by a Delta Registered Installer.

A list of experienced Delta Registered Installers is available from Delta's offices.



NBS Source



PRODUCT DATA SHEET

Ultra Control VCL

Technical Data

Wall Heat Flow	Airspace (mm)	Unventilated Airspace		Improvement with Delta Ultra Control VCL
-	-	With no special treatment (m ² K/W)	With Delta Ultra Control VCL facing into airspace (m ² K/W)	-
Horizontal	>20	0.18	0.78*	333%
Upwards	>13	0.16	0.53*	231%
Downwards	50	0.21	1.53	629%

*Independently tested by National Physical Laboratories (NPL) in a typical United Kingdom house timber frame wall cavity and verified by BM TRADA

Class 1 surface spread of flame to BS 476-7:1997

Performance	MD (along roll)	CD (across roll)
Nail tear strength (N) to EN 12310-1 with mods	160	160
Tensile strength (N/50mm) to EN 12311-1 with mods	229	226
Water vapour resistance (MNs/g) to EN 1931	>589	-
Thermal resistance (m ² K/W) heat flow horizontal to EN ISO 8990	0.78*	-
Emissivity of the surface (ε) unaged to BS EN 15976	0.02*	-
Emissivity of the surface (ε) aged to BS EN 15976	0.03*	-
Weight (g/m ²)	150	-
Resistance to water penetration to BS EN 1928 with mods	Class W1	-

*Independently tested by a European notified laboratory

Installation

Please refer to Delta's Installation Guides. Installation Guides can be found at www.deltamembranes.com/technical/delta-installation-guides/. We have a number of "How to" subject related video guides available on your Youtube Channel and Website. Please visit www.deltamembranes.com/technical-categories/the-video-suite/

Durability

Subject to normal conditions, Delta Ultra Control Layer will provide an effective barrier to interstitial condensation for the life of the building.

Safety

Always follow the instructions provided in the material safety data sheet and take the precaution described there. Wear appropriate Protective Personal Equipment (PPE) when applying and using the material. Observe all governmental, state, and local safety regulations when processing the material.

Other Information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.