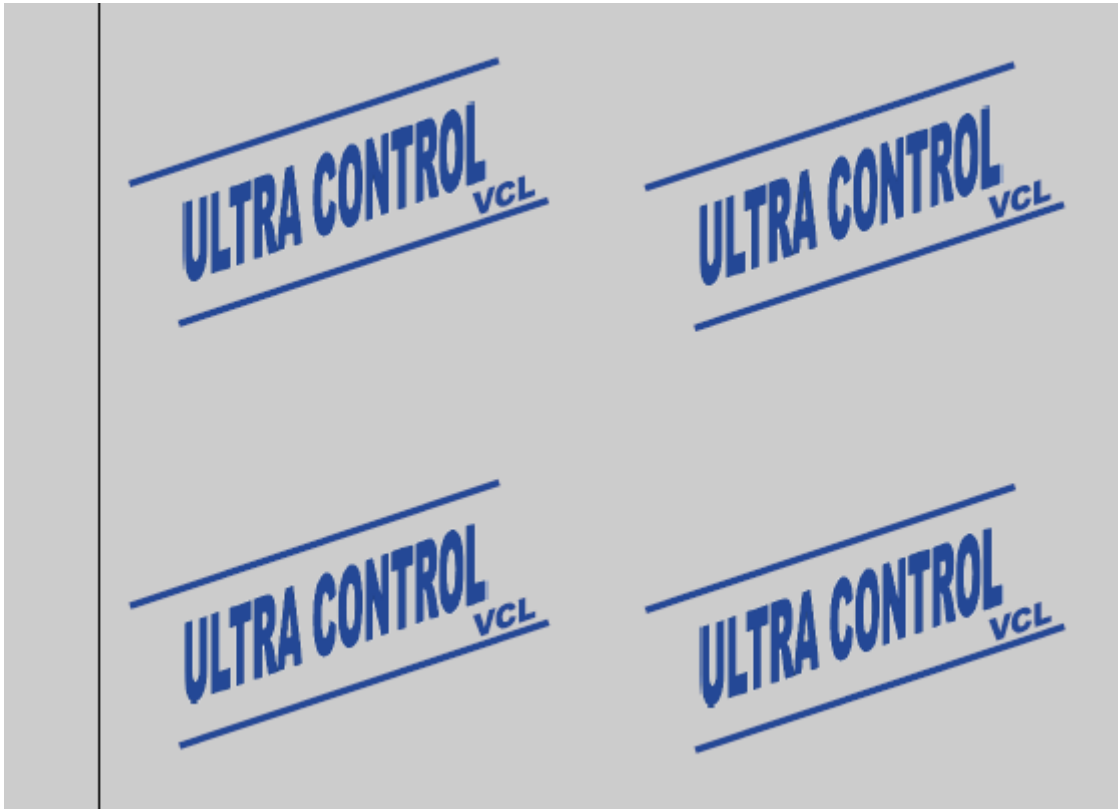


# PRODUCT DATA SHEET

## DELTA ULTRA CONTROL VCL

Product Code: DMS046



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**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.

Delta Ultra Control VCL offers low emissivity to enhance thermal performance of walls, ceilings and floors.





### BENEFITS

- Strong insulating properties
- Delivers an airtight system with sealed laps
- Helps avoid condensation risk in accordance with BS 5250:2011+A:2016
- Excellent nail tear resistance
- High tensile strength, tough and durable
- low emissivity reflective surface
- Enhances thermal performance of the structure when used in a still air cavity
- Easy to cut and lightweight to handle
- Suitable for timber, masonry or steel construction
- Available with integrated tape to seal overlaps



### SPECIFICATION

- Control of condensation in accordance with BS 5250:2011+A1:2016
  - Class 1 surface spread of flame to BS 476-7: 1997 Fire Test on Building Materials and structures.
- Method of test to determine the classification of the surface spread of flame of products



### ASSOCIATED PRODUCTS

- Delta Protect Cavit-E Clip
- Delta MS 500

# PRODUCT DATA SHEET

## DELTA ULTRA CONTROL VCL

Product Code: DMS046

### TECHNICAL DATA

Wall Heat Flow	Airspace (mm)	Unventilated Airspace		Improvement with Delta Ultra Control VCL
		With no special treatment (m <sup>2</sup> K/W)	With Delta Ultra Control VCL facing into airspace (m <sup>2</sup> 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) too 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 <sup>2</sup> 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 <sup>2</sup> )	150	
Resistance to water penetration to BS EN 1928 with mods	Class W1	

\*Independently tested by a European notified laboratory

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DMSPDS2019