

Technical Data Sheet

Protect VC FOIL ULTRA

Product



USE

Robust highly reflective low emissivity vapour control layer which has been developed to enhance the thermal performance of walls, ceilings and floors.

FEATURES & BENEFITS

- Low emissivity reflective surface enhances thermal performance of the structure into which it is incorporated (still air cavity required)
- Air and vapour control layer
- Triple ply construction incorporating an adhesive strip located on the outer edge of the membrane and follows the dotted overlap line
- Provides an airtight system when installed with sealed laps
- Excellent air and vapour resistance
- Integrated tapes for quicker installation and reliable effective joint sealing
- Corrosion and damage resistant reflective surface
- Helps to avoid condensation risk in accordance with BS5250 requirements
- BM TRADA independently certified for all applications
- Class 1 surface spread of flame to BS 476-7

Product Details

Improvement in thermal resistance values using Protect VC Foil Ultra

Airspace (mm)	Unventilated airspace No special treatment (m ² K/W)	Protect VC Foil Ultra facing into airspace (m ² K/W)	Improvement with Protect VC Foil Ultra
Heat flow horizontally >20	0.18	0.78	333%
Heat flow upwards >13	0.16	0.53	233%
Heat flow downwards 50	0.21	1.41	571%

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 mods	229	226
Water vapour resistance (MNs/g) to EN 1931	4946	
Thermal resistance m ² K/W heat flow horizontal	0.78	
Weight g/m ²	150	

Size

1.35m x 50m, 1.5m x 50m (with integral lap and sealing tapes), 2.7m x 50m, 2.7m x 100m and 3.0m x 50m

