

Wraptite® UV

DESCRIPTION

Wraptite UV is a Class B membrane that combines properties of vapour permeability and air tightness in one self-adhering product, which is specifically designed for use behind open jointed cladding.

Wraptite UV has a water resistance of W1 and UV resistance to provide a "shadow" appearance within open rainscreen façades. Manufactured from polyester and a functional coating, with a proprietary acrylic moisture vapour permeable adhesive and silicone-coated PET release liner.

Wraptite UV bonds (no mechanical attachment) to multiple substrates for air tightness and ease of installation, negating the requirement for a primer, sealants or tapes. The product provides initial grab with full curing time of approximately 6 hours depending on environmental conditions.

Wraptite UV prevents lateral air movement enhancing the buildings thermal performance. With a rating of Sd 0.06m it provides a high vapour permeability in a commercial quality, self-adhered, airtight breathable membrane.

To protect the membrane from mechanical damage, the joint openings in the façade covering have to be less than 40% of the area, and maximum 50mm wide.

Whilst for use behind open jointed cladding, the membrane is specifically designed for those who require protection against water ingress for extended periods of time, in a range of applications, including the storage and transportation of volumetric modules, offsite panelised systems and / or within high rise façade construction.

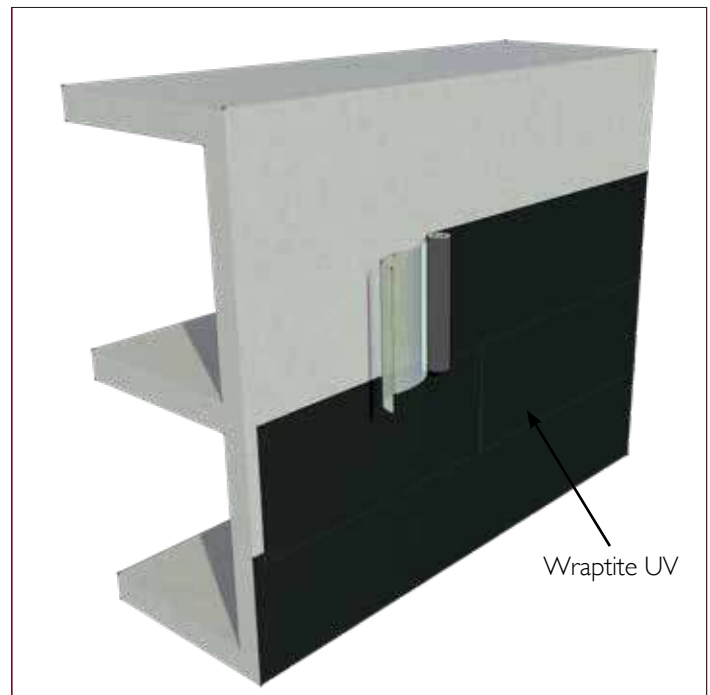
Wraptite UV would also provide a shadow gap detail behind window flashing details, or in open jointed façade systems in offsite construction, rainscreen and timber cladding systems.

KEY BENEFITS

- Airtight yet vapour permeable
- No primer required
- Tough facer laminate resists punctures and tears during construction
- Lightweight
- Manufactured rolled goods ensure consistent properties and performance
- Wide service temperature range

ACCESSORIES REQUIRED

- Wraptite LF
- Wraptite UV Tape
- Wraptite UV Tape Split Liner
- Wraptite UV Corners



PROPERTY	TEST/STANDARD	RESULT	
	BS EN 13859-2:2010		
Roll Length		50m	
Roll Width		1.5m	
Nominal thickness	Calibrated Deadweight Micrometer	0.38mm	
Basis Weight	Electronic Weigh Scale	392 g/m ² (incl. liner)	
Installation temperature		-10° to +60°C	
Service temperature		-40° to +100°C	
Water penetration	Before ageing After ageing	EN 1928:2000 Method A	Class W1 (before ageing) Class W1 (after ageing)
Water Vapour Permeability		EN ISO 12572 (C)	Sd 0.06m
Tensile strength	Before ageing After ageing	EN 12311-1	MD 490N/50mm MD 480N/50mm CD 330N/50mm CD 310N/50mm
Tear resistance		EN 12310-1	MD 327.38N CD 453.38N
Dimensional stability		EN 1107-2	MD -0.32% CD -0.15%
Flexibility at low temperature		EN 1109	No cracks at -40°C
Reaction to Fire		BS EN 13501-1	Class B-s2,d0*
Resistance to penetration of air		EN 12114 EN 13859-2	<0.01m ³ /(m ² .h.50Pa)
UV resistance uncovered		-	12 months (Climate:Central Europe)

*tested over 12mm calcium silicate board as per BS EN 13238:2010.



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