

# Façadeshield UV

## DESCRIPTION

Façadeshield UV is designed specifically to ensure the building fabric maintains good water resistance and breathability behind open jointed cladding.

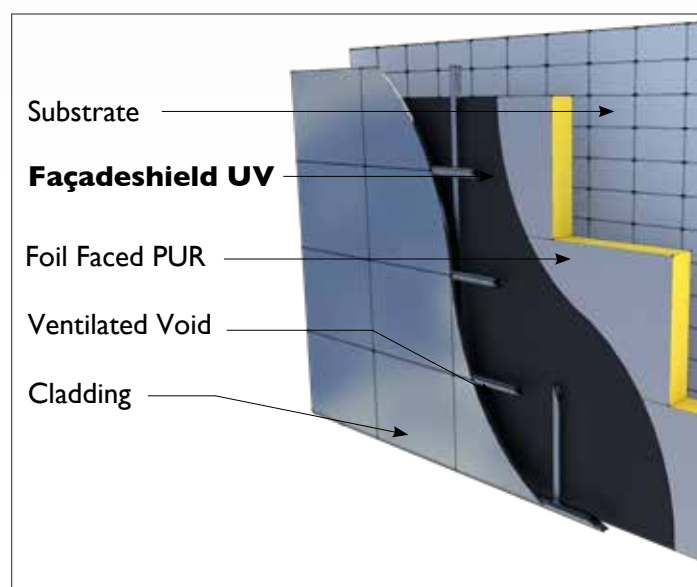
Leading research has culminated in a non woven breathable membrane that combines exceptional water resistance and UV resistance with an aesthetically pleasing dark colour to provide a “shadow” appearance behind open rainscreen façades.

Façadeshield UV enhances the airtightness of the building whilst reducing the risk of condensation due to its high vapour permeable yet airtight properties. The product comes with the reassurance of a CE Mark showing the product's fitness for purpose in the façade application, making it the obvious choice behind open jointed cladding.

To protect the membrane from mechanical damage, the joint openings in the façade covering have to be less than 30% of the area, and maximum 30mm wide\*.

## APPLICATION

Façadeshield UV is fixed to the supporting construction mechanically with staples or similar. Façadeshield UV must be laid vertically from top to bottom or horizontally with a minimum overlap of 100 mm. Use Façadeshield tape when joining together lengths of Façadeshield UV or for other joints where an air tight seal is required. The membrane must be free from dust and grease and the substrates must be dry and stable. Apply pressure by hand or roller to ensure a good bond. The adhesive used does not contain resins or other additives which could cause the adhesive film to become brittle and therefore this product is extremely resistant to ageing. Battens / back ventilation must be provided between the Façadeshield UV and the external façade covering.



## ADVANTAGES

- Open jointed façades
- UV-stabilised
- Easy to cut
- Anti-glare
- Exceptional UV resistance
- Air tight yet highly vapour permeable
- Highly water resistant
- Robust with good tear resistance and tensile strength

\*In case of larger openings please contact our technical support.

## PRODUCT DATA

According to standard EN 13859-2:2010

Composition		Polyester Spunbond with coating (PET)
Roll width	EN 1848-2	1.5m
Roll length	EN 1848-2	50m
Roll area	EN 1848-2	75 m <sup>2</sup>
Roll weight	EN 1849-2	210g/m <sup>2</sup>
Reaction to fire*	EN 13501 EN 11925-2	Class B, s1-d0
Resistance to water penetration	EN 1928	Class W1
Resistance to water penetration after artificial ageing	EN 13859-2 Annex C	Class W1
Water vapour transmission properties	EN 12572	Sd 0.04m
Tensile properties: Maximum tensile force	EN 12311-1 EN 13859-2	MD 300 N/50mm CD 200 N/50mm
Max tensile force after artificial ageing	EN 13859-2 Annex C	MD 290 N/50mm CD 190 N/50mm
Tensile properties: Elongation	EN 12311-1 EN 13859-2	MD 25% CD 25%
Elongation after artificial ageing	EN 13859-2 Annex C	MD 20% CD 20%
Resistance to tearing	EN 12310-1 EN 13859-2	MD 120 N CD 120 N
Dimensional stability	EN 1107-2	<1%
Flexibility at low temperature	EN 1109	-40°C
Resistance to penetration of air	EN 12114 EN 13859-2	< 0.03 m <sup>3</sup> /(m <sup>2</sup> .h.50Pa)
Temperature resistance	-	-40°C to +100°C
UV Resistance Uncovered	-	12 months (Climate: Central Europe)

## Façade Tape Properties

Roll size	60mm x 25m
Thickness	0.62mm
Working temperature	+5°C to +40°C
Colour	Black
Storage	+5°C to +25°C - Store in cool and dry space
Composition	Tear-resistant system adhesive tape with adhesive. Base material has a permanently UV-resistant coating

\* free hanging



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contact@proctorgroup.com | +44 (0) 1250 872261

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