TRASPIR EVO UV ADHESIVE

CE
EN 13859-1/2

SELF-ADHESIVE BREATHABLE MONOLITHIC MEMBRANE RESISTANT TO UV RAYS

B-s1,d0

AUS	USA	D	F	I
AS/NZS 4200.1 Class 4	IRC vp	ZVDH USB-B UDB-C	DTU 31.2 E1 Sd2 TR1 E600 J0 C3	UNI 11470 A/R1

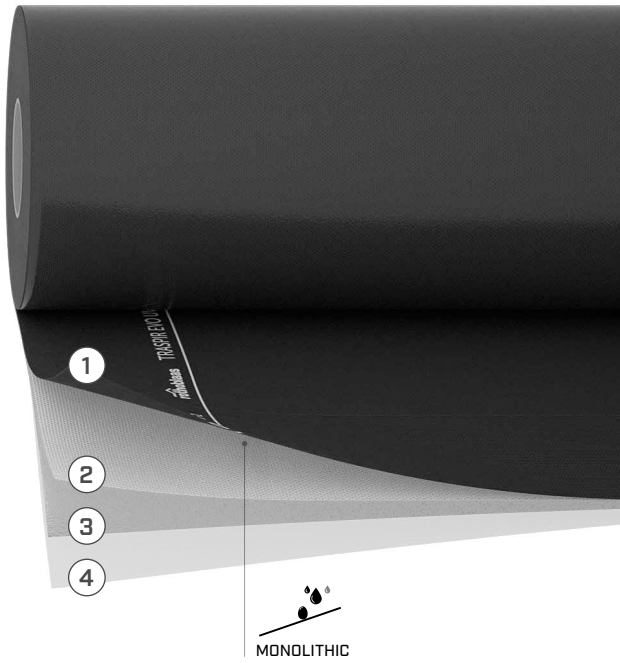
ASTM fastener sealing D1970 | TOP QUALITY | OPEN JOINT 10000h UV | DURABILITY | BREATHABLE

OPEN JOINTS: 10000h UV

UV resistance is permanent even when exposed to open joints on façades up to 50 mm wide and uncovering a maximum of 40 % of the surface area for façade application.

IT RESISTS FIRE AND PROTECTS THE BUILDING

It has fire reaction B-s1,d0 and flame retardant capacity according to EN 13501-1.
The low flame spread guarantees the safety of the building and people.



COMPOSITION

1. **top layer:** monolithic breathable polyacrylate film
2. **bottom layer:** PL fabric
3. **glue:** acrylate dispersion without solvents
4. **separation layer**: pre-cut removable plastic film

CODES AND DIMENSIONS

CODE	description	H [m]	L [m]	A [m²]	*H [ft]*	*L [ft]*	*A [ft²]*	
TUVA	TRASPIR EVO UV ADHESIVE	1,45	50	72,5	*4' 9 1/8"*	*164*	*780*	16
MULTIUV360	MULTI BAND UV STRIPE 0,36 m	0,36	50	16	*1' 2 1/8"*	*164*	*194*	30

Available in different widths on request.

PERMANENT AND BREATHABLE UV STABILITY

The membrane's excellent durability is ensured by the polyacrylate and polyester backing, which has passed a 10,000-hour ageing test, and by the special breathable adhesive that preserves its functionality.

TECHNICAL DATA

Properties	standard	value	*USC units*
Mass per unit area	EN 1849-2	300 g/m^2	*0.82 oz*
Thickness	EN 1849-2	approx. 0.4 mm	*16 mil*
Water vapour transmission (Sd)	EN 1849-2	0,18 m	*19 US Perm*
Tensile strength MD/CD	EN 12311-1	300/200 N/50 mm	*34/23 lb/in*
Elongation MD/CD	EN 12311-1	25/25 %	-
Resistance to nail tearing MD/CD	EN 12310-1	120/120 N	*27/27 lbf*
Watertightness	EN 1928	class W1	-
After ageing(1):			
- watertightness at 120°C	EN 1297/EN 1928	class W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	290/190 N/50 mm	*33/22 lb/in*
- elongation	EN 1297/EN 12311-1	20/20 %	-
Resistance to penetration of air	EN 12114	< 0,02 m^3/(m^2·h·50Pa)	*< 0.001 cfm/ft^2 at 50Pa*
Resistance to temperature	-	-30/+150 °C	*-22/302 °F*
Reaction to fire	EN 13501-1	B-s1,d0	-
UV resistance without final coating(2)	EN 13859-1/2	10.000 h (>12 months)	-
UV stability with joints up to 50 mm wide exposing no more than 40% of the surface(3)	-	permanent	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	*0.17 BTU/h ft °F*
Specific heat	-	1800 J/(kg/K)	-
Density	-	approx. 750 kg/m^3	*47 lbm/ft^3*
Water vapour resistance factor (μ)	-	approx. 450	*0.9 MNs/g*
Adhesion strength on OSB at 90° after 10 min	EN 29862	2 N/10 mm	*1.1 lbf/in*
Adhesion strength on OSB at 180° after 10 min	EN 29862	1,5 N/10 mm	*0.9 lbf/in*
Adhesion strength (average) on TRASPIR EVO UV ADHESIVE after 24h	EN 12316-2	13 N/50 mm	*1.5 lbf/in*
Shear adhesion strength of the joint on TRASPIR EVO UV ADHESIVE after 24h(4)	EN 12317-2	200 N/50 mm	*22.8 lbf/in*
Storage temperature(5)	-	+5/+35 °C	*41/95 °F*
Application temperature	-	+5/+25 °C	*41/77 °F*
Solvents	-	no	-

(1)Ageing conditions are tested in accordance with EN 13859-2, Annex C, extended to 10.000h (standard 336h).
(2)Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 16 weeks (open joints).
(3)The membrane is not intended as a final waterproof layer for roofs.
(4)Minimum required value according to DTU 31.2 P1-2 (France): 40 N/50 mm.
(5)Store the product in a cool, dry place for no more than 12 months.
Installation in windy areas and/or adverse weather conditions requires the use of mechanical fasteners in the overlap areas. The thickness and stiffness of the tape should be taken into account when creating corner details.
Contains 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (CAS 84852-53-9) >0.1% w/w; not intended to be released under normal conditions of use; use in accordance with installation instructions.
Dispose of in accordance with local regulations.

USA and CA Properties	standard	value
Water vapour transmission (dry cup)	ASTM E96/ E96M	19.2 US Perm 1097 ng/(s·m^2·Pa)
Water vapour transmission (wet cup)	ASTM E96/ E96M	41.15 US Perm 2352 ng/(s·m^2·Pa)
Sealability aroud fasteners	ASTM D1970 (modified)	passed
Surface burning characteristics	ASTM E84	CLASS A

WATERPROOF, VAPOUR PERMEABLE

The monolithic composition and special glue make the membrane waterproof and airtight, but vapour permeable. This makes it easier for any seepage to dry out and protects the structure.