TRASPIR WELD EVO 360

WELDABLE MONOLITHIC BREATHABLE MEMBRANE

PL 50% RECYCLED CONTENT · LCA · ECO PLATFORM EPD VERIFIED · CE EN 13859-1

3,0 m

AUS	USA	A	CH	D	F	I
AS/NZS 4200.1 Class 3	IRC vp	Önorm B4119 UD Typ II US	SIA 232 UD (g)	ZVDH USB-A UDB-A	DTU 31.2 E1 Sd1 TR3	UNI 11470 A/R3

DURABILITY · SAFETY JOINT · DOUBLE PROTECTION

MONOLITHIC

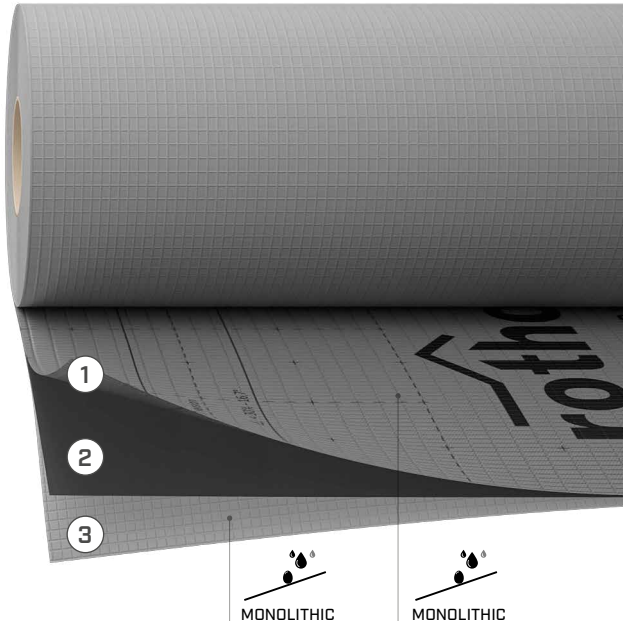
The monolithic structure of the membrane guarantees excellent durability over time, thanks to the special polymers used.

DOUBLE PROTECTION

Excellent watertightness; the double external PU layer ensures the highest safety levels and exceptional durability.

LOW PITCHES

Thanks to its mass per unit area, the membrane can also be effectively installed on roofs with pitches down to 5°.



COMPOSITION

1. **top layer:** monolithic PU breathable film
2. **middle layer:** PL fabric
3. **bottom layer:** monolithic PU coated breathable film

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m²]	*H [ft]*	*L [ft]*	*A [ft²]*	
TEVO360	TRASPIR WELD EVO 360	-	1,5	25	37,5	*5*	*82*	*404*	24
TEVO36030	TRASPIR WELD EVO 360 3,0 m	-	3	25	75	*10*	*82*	*807*	24
WELDSTRIPE300	WELDING STRIPE	-	0,30	20	6	*1*	*66*	*66*	5

COMPLETE SYSTEM

Waterproofing with TRASPIR WELD EVO 360 means creating a safe, effective and complete system with sleeves and sealing of the battens by sealing.

FUNCTIONAL FILM SEALING

The membrane allows the two functional TPU films to be sealed together on the outer edges, either with hot air or chemically, thus preventing humidity absorption.

TECHNICAL DATA

Properties	standard	value	*USC units*
Mass per unit area	EN 1849-2	360 g/m^2	*1.18 oz/ft^2*
Thickness	EN 1849-2	1 mm	*39 mil*
Water vapour transmission (Sd)	EN 1931	0,2 m	*17US Perm*
Tensile strength MD/CD	EN 12311-1	420/490 N/50 mm	*48/56 lbf/in*
Elongation MD/CD	EN 12311-1	50/65 %	-
Resistance to nail tearing MD/CD	EN 12310-1	310/280 N	*70/63 lbf*
Watertightness	EN 1928	class W1	-
After ageing:			
- watertightness at 120 °C	EN 1297/EN 1928	class W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	400/470 N/50 mm	*46/54 lbf/in*
- elongation	EN 1297/EN 12311-1	50/65 %	-
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m^3/(m^{2}h50Pa)	*< 0.001 cfm/ft^2 at 50Pa*
Flexibility at low temperatures	EN 1109	-30 °C	*-22 °F*
Resistance to temperature	-	-40/120 °C	*-40/248 °F*
UV stability(1)	EN 13859-1/2	1000h (8 months)	-
Thermal conductivity (λ)	-	0,4 W/(m·K)	*0.23 BTU/h·ft·°F*
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 360 kg/m^3	*approx. 22 lbm/ft^3*
Water vapour resistance factor (μ)	-	approx. 200	*approx. 1 MNs/g*
Joint strength	EN 12317-2	> 490 N/50 mm	*> 56 lbf/in*
Water column	ISO 811	> 300 cm	*> 118 in*
Driving rain test	TU Berlin	passed	-
WELD LIQUID application temperature	-	10/25 °C	*50/77 °F*
WELD LIQUID storage temperature(2)	-	5/25 °C	*41/77 °C*
Yield of 1 litre of WELD LIQUID	-	approx. 150-180 m^2	-

(1)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 12 weeks.
(2)Store the product in a dry, covered location away from heat, open flames or other sources of ignition. Check the date of manufacturing on the packaging.

Waste classification (2014/955/EU): 17 02 03.

REAL EXPOSURE

The double PU layer of TRASPIR WELD EVO 360 guarantees exceptional durability, preserving the watertightness of the membrane even during prolonged exposure to weathering during construction.
Thanks to the PU's high resistance to ageing, the bottom layer, protected against direct exposure, remains perfectly intact even under the most extreme conditions.

After 12 months of unprotected exposure during construction in a Central European climate*

watertightness	**compliant**

*The test demonstrates the high durability of TRASPIR WELD EVO 360 even during prolonged exposure. Regardless, Rothoblaas recommends limiting exposure to weathering during construction to a maximum of 12 weeks.

RELATED PRODUCTS

WELDING BOTTLE BRUSH
WELDBOTBRUSH
content: 0,5 L
pcs/pckg 1

WELDING BRUSH
WELDBRUSH
sizes: 4 cm
pcs/pckg 1

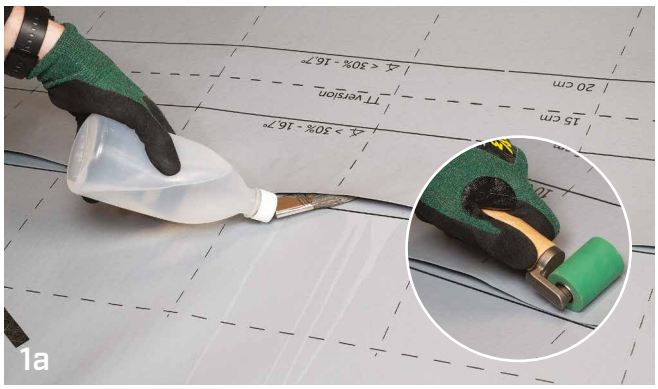
WELDING LIQUID
WELDLIQUID
content: 1,0 L
pcs/pckg 1

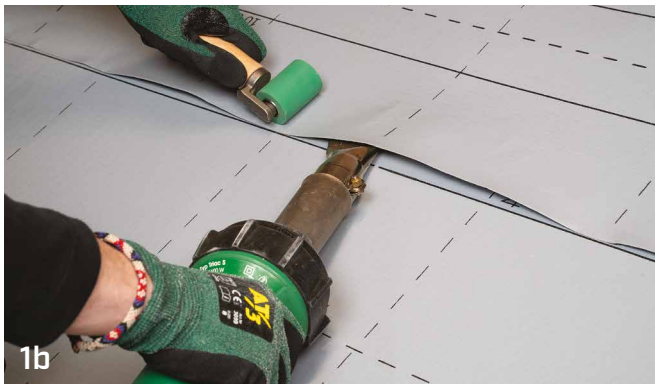
WELDING PIPE SLEEVE
WELDPIPE
diameter: 80 -125 mm
pcs/pckg 4

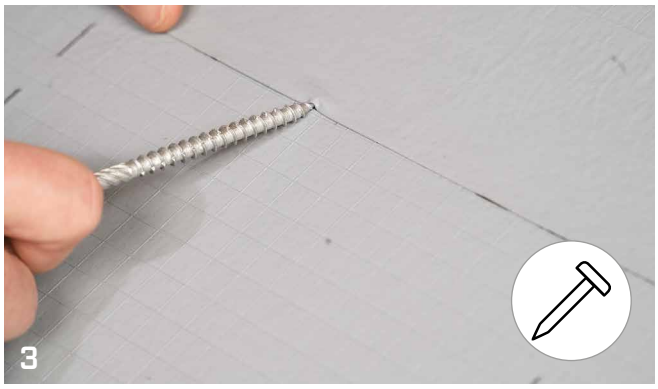
MANICA FLEX - TPU
MANFTPU300
MANFTPU430

RECOMMENDATIONS FOR INSTALLATION

SEALING OF MEMBRANE

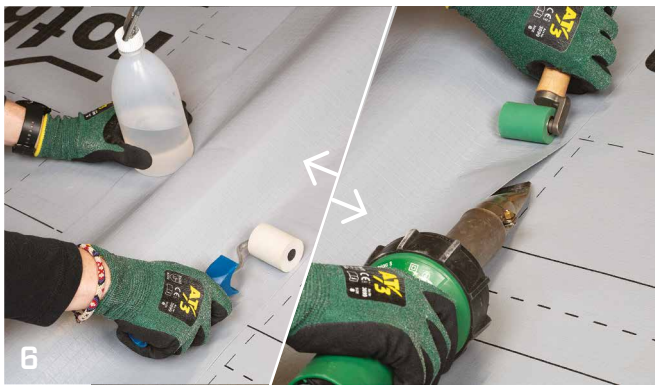






1	WELDBOTHBRUSH, WELDBRUSH, WELDLIQUID

SOLUTION A: SEALING BATTEN WITH WELD STRIPE

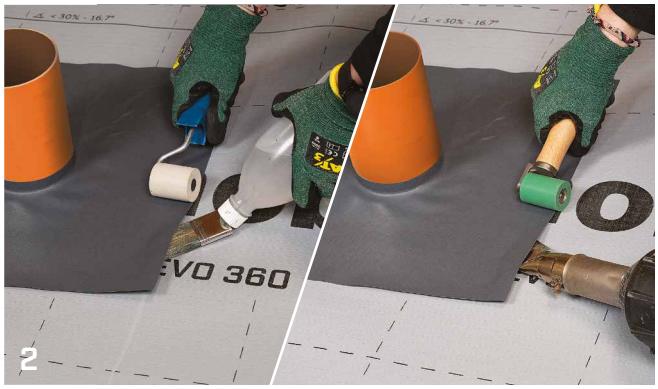


5	WELDSTRIPE300
6	WELDBOTHBRUSH, WELDBRUSH, WELDLIQUID, HOT GUN

SOLUTION B: SEALING BATTEN WITH NAIL POINT TAPE

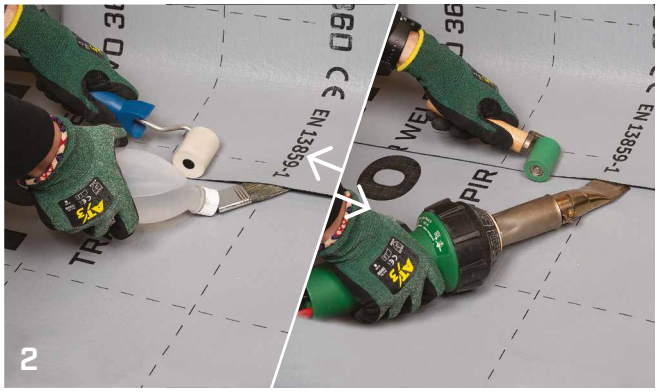
7	NAIL PLASTER

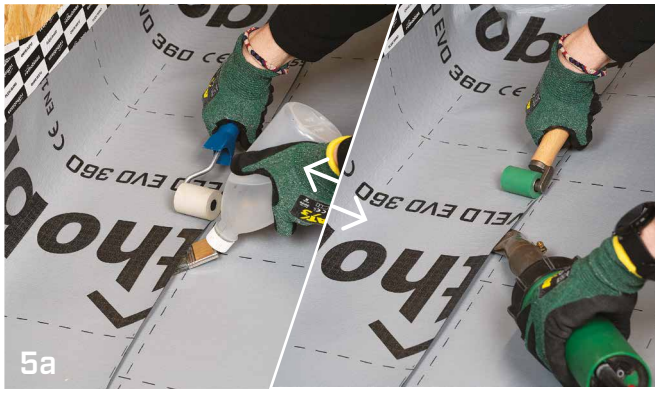
SLEEVE SEALING

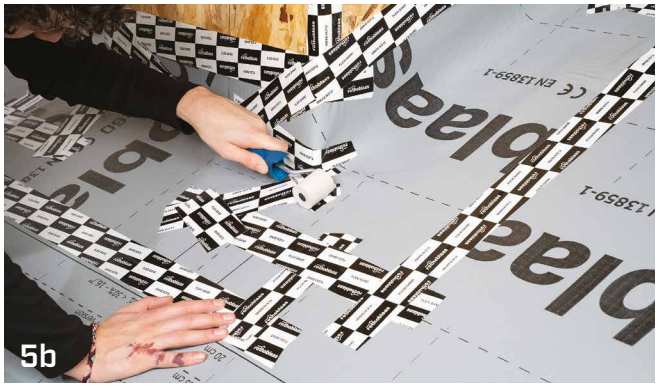


2	MANFTPU300, MANFTPU430 WELDBOTHBRUSH, WELDBRUSH, WELDLIQUID

CHIMNEY SEALING







2	WELDBOTHBRUSH, WELDBRUSH, WELDLIQUID
3	ROTHOBLAAS TAPE
5a	WELDBOTHBRUSH, WELDBRUSH, WELDLIQUID, HOT GUN
5b	ROTHOBLAAS TAPE