

SMART BAND

UNIVERSAL SINGLE-SIDED TAPE WITH SEPARABLE LINER

SPECIAL LINER

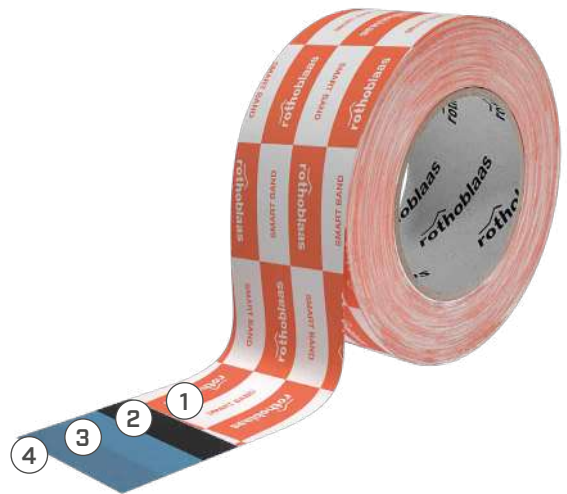
The product has a unique separating film which, thanks to a special treatment, can be divided at any point without pre-cutting, thus adapting to any installation requirement.

FLASHING TAPE

It meets all the requirements to be classified as a tape for sealing external doors or windows, ensuring maximum safety even in case of stagnant water, heavy rain and perforations.

COMPOSITION

- ① support: PE special film
- ② support: UV-stabilised PE film
- ③ glue: acrylic dispersion without solvents
- ④ release liner: PP film with easy splitting



TECHNICAL DATA

Properties	standard	value	USC units
Thickness	-	0,24 mm	9 mil
Adhesion strength on OSB at 90° after 10 minutes	EN 29862	3,5 N/10 mm	2.0 lbf/in
Adhesion strength on OSB at 180° after 10 minutes	EN 29862	7,0 N/10 mm	4.0 lbf/in
Adhesion strength (average) on membrane in PP after 24 hours ⁽¹⁾	EN 12316-2	26,0 N/50 mm	3.0 lbf/in
Shear adhesion strength of the joint on membrane in PP after 24 hours ⁽²⁾	EN 12317-2	55,0 N/50 mm	6.3 lbf/in
Adhesion strength on steel at 90°	AFERA 5001	≥ 12 N/10 mm	≥ 6.9 lbf/in
Tensile strength	ASTM D 1000	30 N/10 mm	17.1 lbf/in
Elongation at failure	ASTM D 1000	≥ 400 %	-
Watertightness	EN 1928	class W1	-
Exposure to weather	-	12 months	-
Resistance to water penetration at 300 Pa on wall	ASTM E331	compliant	-
Application temperature ⁽³⁾	-	-10/+40 °C	+14/+104 °F
Resistance to temperature	-	-30/+80 °C	-22/+176 °F
Storage temperature ⁽⁴⁾	-	+5/+30 °C	+41/+86 °F
Solvents	-	no	-

⁽¹⁾ Minimum required value according to DTU 31.2 P1-2 (France): 15 N/50 mm.

⁽²⁾ Minimum required value according to DTU 31.2 P1-2 (France): 40 N/50 mm.

⁽³⁾ On dry support and at a temperature > 0 °C. The absence of condensation or frost on the surface must be guaranteed.

⁽⁴⁾ Store the product in a cool, dry place for no more than 12 months.

Waste classification (2014/955/EU): 08 04 10.

CODES AND DIMENSIONS





CODE	B [mm]	L [m]	B [in]	L [ft]	
SMART60	60	25	2.4	82	10
SMART75	75	25	3.0	82	8
SMART100	100	25	3.9	82	6
SMART150	150	25	5.9	82	4
SMART225	225	25	8.9	82	2
SMART300	300	25	11.8	82	2

FIELDS OF APPLICATION



RESISTANCE TO WATER PENETRATION


SMART BAND has been tested in accordance with ASTM E331 to confirm its effectiveness against water jets at 75 Pa and 300 Pa.

WATER JET PRESSURE	OUTCOME	NOTES AND REMARKS
 75 Pa	 passed	no infiltration
 300 Pa	 passed	no infiltration



ARTIFICIAL AGEING

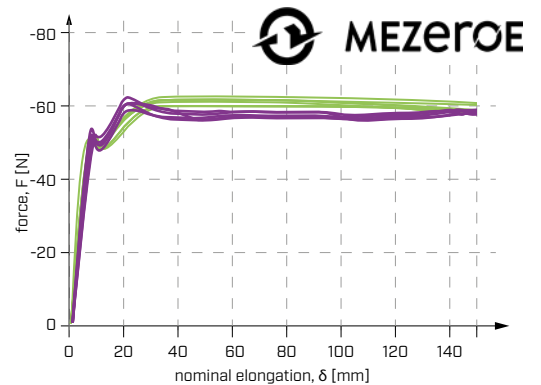
The joint consisting of the TRASPIR EVO 160 membrane and SMART BAND universal single-sided adhesive tape was exposed to UV rays and heat and subjected to artificial ageing as part of the European MEZeroE project in cooperation with the Cracow University of Technology.

 DURABILITY TESTED	Type of ageing:	5000h UV to 50°C
		+ 90 days at 70°C

LEGEND:

 before ageing

 after ageing



This test is part of the MEZeroE project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 953157.



UV STABLE

The double support stabilised against UV rays makes the tape particularly resistant to ageing and mechanical stress, thanks to its high deformability.

SMART

The tape is unique and extremely versatile. Thanks to the easy-splitting liner, only a few sizes can be stored to meet any construction requirement.

RECOMMENDATIONS FOR INSTALLATION



WINDOW HOLE SEALING



3 MARLIN, CUTTER

5 HAMMER STAPLER 47, HAMMER STAPLER 22, HAND STAPLER, STAPLES

