



FLEXI BAND UV

UNIVERSAL SINGLE-SIDED ADHESIVE TAPE WITH HIGH UV STABILITY AND TEMPERATURE RESISTANCE

UV STABILITY AND AGEING

The special carrier is designed to offer excellent UV stability, while maintaining mechanical and adhesion properties over time due to excellent ageing resistance.

TEMPERATURE RESISTANCE UP TO 120°C

The combination of glue and polypropylene carrier makes it possible to achieve very high temperature stability without compromising the glue adhesion and viscosity.

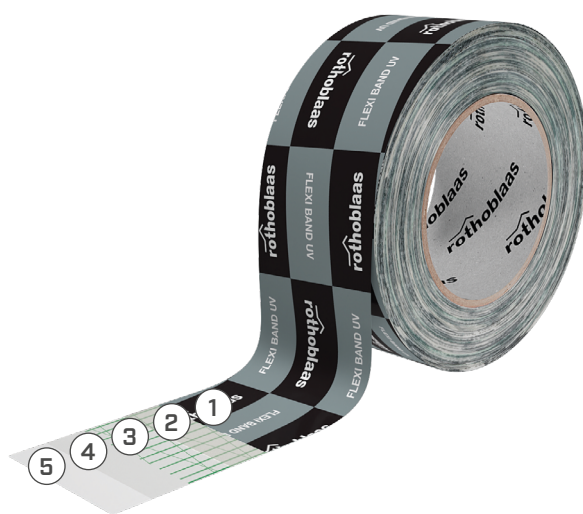
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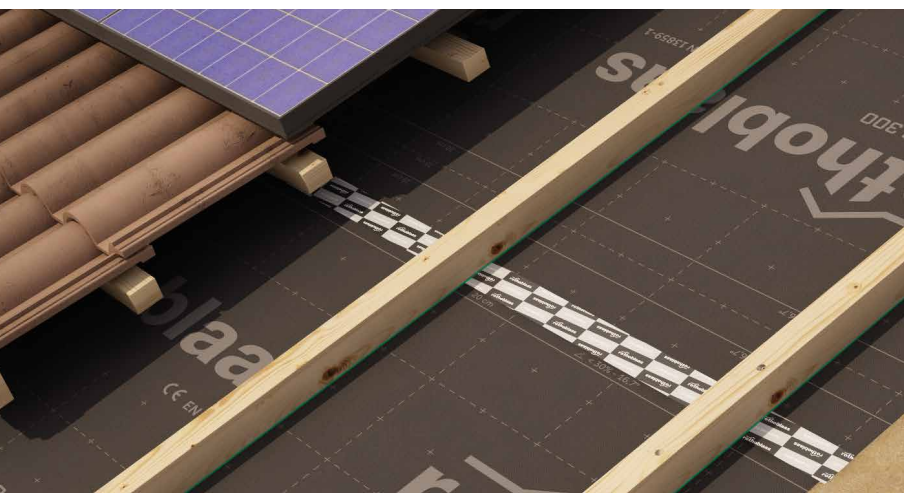
COMPOSITION

- ① support: PP film
- ② glue: acrylic dispersion without solvents
- ③ reinforcing layer: reinforcing polyester grid
- ④ glue: acrylic dispersion without solvents
- ⑤ release liner: silicone coated paper



CODES AND DIMENSIONS

CODE	liner [mm]	B [mm]	L [m]	liner [in]	B [in]	L [ft]	
FLEXIUUV60	60	60	25	2.4	2.4	82	10
FLEXIUUV100	100	100	25	3.9	3.9	82	6
FLEXIUUV7575	75/75	150	25	3.0/3.0	5.9	82	4



FLEXIBILITY

The carrier is made with a special copolymer mix that ensures high elasticity and deformation capacity for the most complex details without compromising mechanical strength.

SPECIAL GLUE

The solvent-free acrylic glue mix ensures excellent adhesion on most common supports. In addition, it is extremely stable at high temperatures so that it does not extend at the tape edges and create problems during transport and installation.

TECHNICAL DATA

Properties	standard	value	USC units
Thickness	-	0,33 mm	13 mil
Adhesion strength on OSB at 90° after 10 minutes	EN 29862	5,0 N/10 mm	2.9 lbf/in
Adhesion strength on OSB at 180° after 10 minutes	EN 29862	11 N/10 mm	6.3 lbf/in
Adhesion strength (average) on membrane in PP after 24 hours ⁽¹⁾	EN 12316-2	28,0 N/50 mm	3.2 lbf/in
Shear adhesion strength of the joint on membrane in PP after 24 hours ⁽²⁾	EN 12317-2	70,0 N/50 mm	8.0 lbf/in
Adhesion strength on steel at 180°	ISO 29862	≥ 35 N/25 mm	≥ 8 lbf/in
Tensile strength	EN ISO 29864	20 N/10 mm	11.4 lbf/in
Water vapour transmission (Sd)	EN 1931	20 m	0.17 US Perm
Exposure to weather	-	24 months	-
Application temperature ⁽³⁾	-	> -10 °C	> +14 °F
Resistance to temperature	-	-40/+120 °C	-40/+248 °F
Storage temperature ⁽⁴⁾	-	+5/+25 °C	+41/+77 °F
French VOC classification	ISO 16000	A+	-
Solvents	-	no	-

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

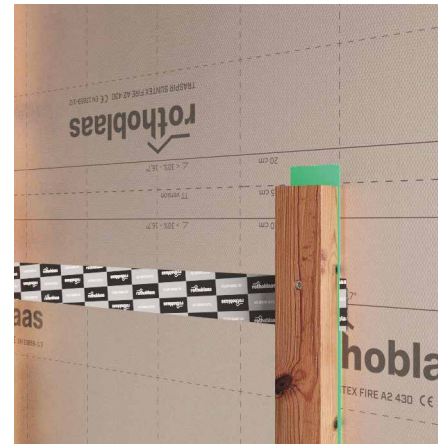
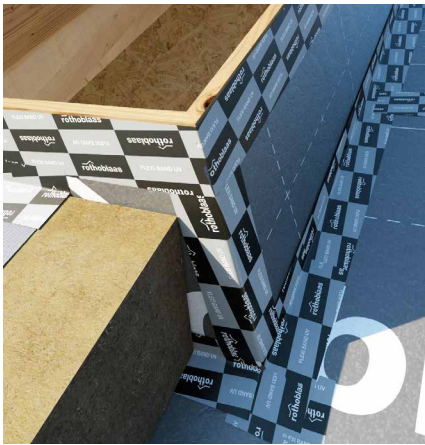
⁽²⁾ Minimum required value according to DTU 31.2 P1-2 (France): 40 N/50 mm.

⁽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.

FIELDS OF APPLICATION



ARTIFICIAL AGEING

As part of the MEZeroE project, the Cracow University of Technology subjected not only the individual membrane but also the TRASPIR EVO UV 115 membrane + FLEXI BAND UV tape system to artificial ageing caused by exposure to UV rays and heat.

Type of ageing:

5000h UV to 50°C

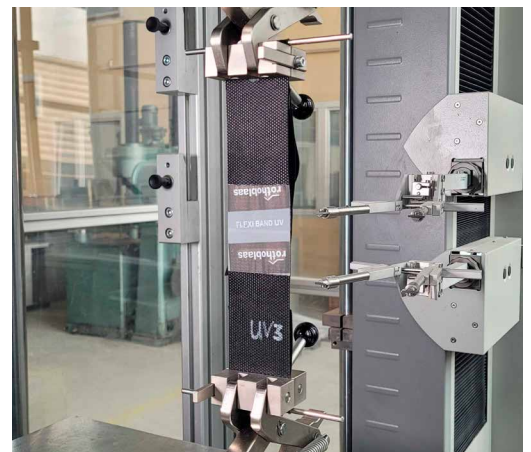
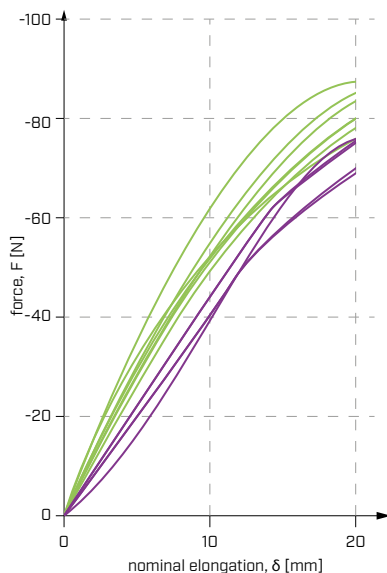
+ 90 days at 70°C



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.

