

FLEXI BAND



UNIVERSAL SINGLE-SIDED HIGH-ADHESION TAPE

UNIVERSAL PERFORMANCE

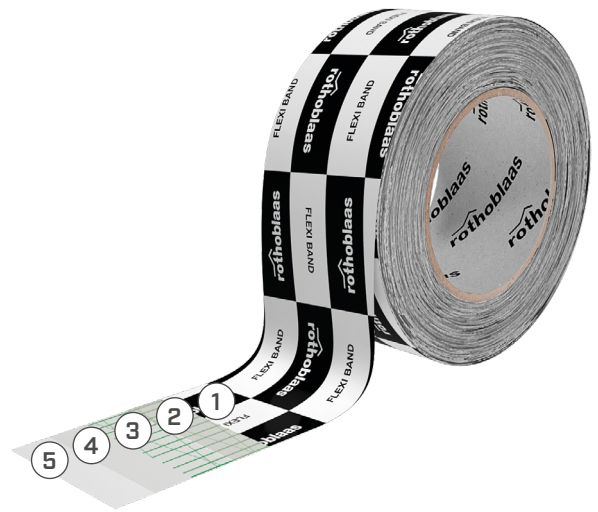
Excellent initial tack and superior adhesion strength even on dusty, porous or damp surfaces. In the internal test campaign on the adhesion strength of the best-performing tapes in the range, FLEXI BAND recorded the highest values in the peeling tests on OSB supports at 90° and 180° in the acrylic tape category.

ALSO AT LOW TEMPERATURES

The combination of carrier and acrylic dispersion glue is designed for good adhesion even in extremely cold temperatures.

COMPOSITION

- ① support: PE 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	B	L	liner	B	L	
	[mm]	[mm]	[m]	[in]	[in]	[ft]	
FLEXI60	60	60	25	2.4	2.4	82	10
FLEXI100	100	100	25	3.9	3.9	82	6
FLEXI5050	50/50	100	25	2.0/2.0	3.9	82	6
FLEXI7575	75/75	150	25	3.0/3.0	5.9	82	4



HIGH PERFORMANCE

Guaranteed adhesion over time, even on dusty, porous or damp surfaces.

TECHNICAL DATA

Properties	standard	value	USC units
Thickness	DIN EN 1942	0,32 mm	13 mil
Adhesion strength on OSB at 90° after 10 minutes	EN 29862	6,5 N/10 mm	3.7 lbf/in
Adhesion strength on OSB at 180° after 10 minutes	EN 29862	12 N/10 mm	6.9 lbf/in
Adhesion strength (average) on membrane in PP after 24 hours ⁽¹⁾	EN 12316-2	30,0 N/50 mm	3.4 lbf/in
Shear adhesion strength of the joint on membrane in PP after 24 hours ⁽²⁾	EN 12317-2	70 N/50 mm	8.0 lbf/in
Adhesion strength on steel at 180°	ISO EN 29862	≥ 30 N/25 mm	≥ 6.85 lbf/in
Tensile strength	EN ISO 29864	≥ 50 N/25 mm	≥ 11.42 lbf/in
Water vapour transmission (Sd)	EN 1931	approx. 45 m	-
	ASTM E96 (dry cup)	6,27 ng/(m ² ·24h)	-
		0.11 US Perm	-
Exposure to weather		> 6 months	-
Fire resistance rating on plain CLT joint (100 mm), 5 mm joint combined with FIRE STRIPE GRAPHITE ^(*)	EN 1363-4	EI 90	-
Fire tightness and insulation on plain CLT joint, 2 mm joint ^(*)	EN 1363-4	> 100 minutes	
Application temperature ⁽³⁾		-18/+40 °C	0/+104 °F
Resistance to temperature		-40/+80 °C	-40/+176 °F
Storage temperature ⁽⁴⁾		+5/+25 °C	+41/+77 °F
Resistance to water penetration at 300 Pa on wall	ASTM E331	compliant	-
French VOC classification	ISO 16000	A+	-
VOC emissions	EN 16516	very low	-
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.

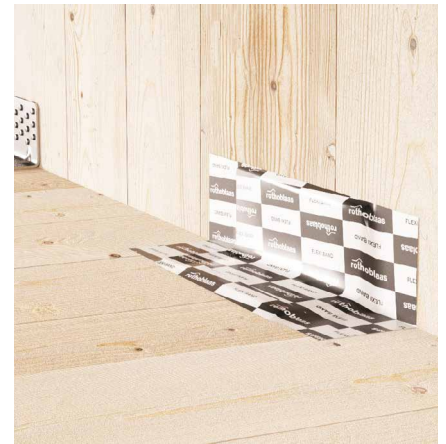
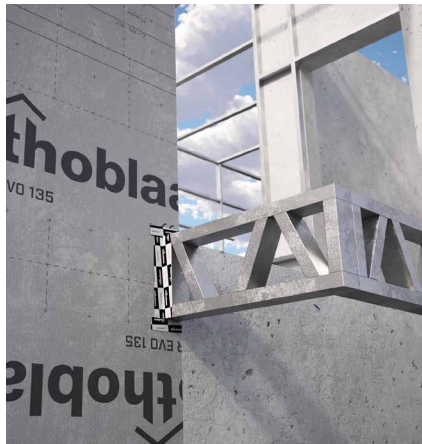
⁽³⁾ On dry support and at a temperature > -13 °C. The absence of condensation or frost on the surface must be guaranteed.

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

^(*)For full details and tested configurations, please refer to the manual or contact our technical department.


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

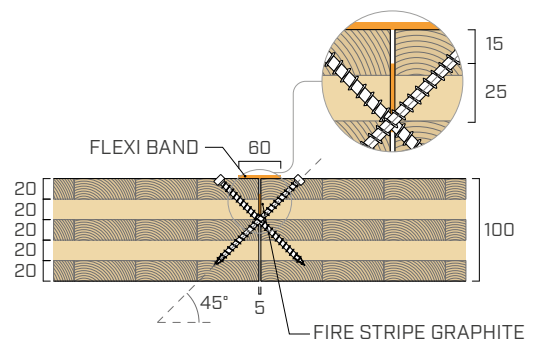
FIELDS OF APPLICATION



FIRE TIGHTNESS AND INSULATION

Tests carried out at the CSI laboratory in accordance with EN 1363-4 enabled characterisation of the fire behaviour of several CLT joints sealed with Rothoblaas products.

TIGHTNESS (E)	Cotton swab	> 106 minutes	
	Persistent flame		
INSULATION (I)	Time	> 106 minutes	EI 90



DURABILITY

FLEXI BAND satisfied all requirements in the material durability test campaign. After 6 months of exposure to Florida's harsh outdoor conditions – marked by high temperatures, high humidity and intense exposure to UV rays – the tape exhibited excellent weathering resistance while retaining its tensile and adhesion strength values.

For more information about the test, see page 64.

DURABILITY

exposure

6 months



DURABILITY TESTED