

# FLEXI BAND



## UNIVERSAL SINGLE-SIDED HIGH-ADHESION TAPE

### UNIVERSAL PERFORMANCE

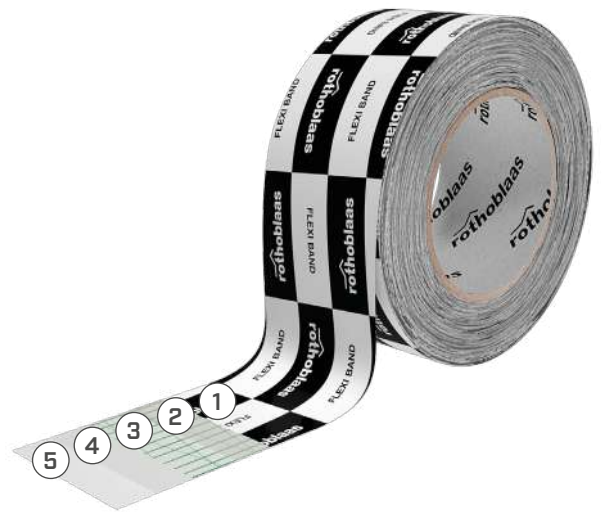
Excellent initial tack and superior adhesion strength even on dusty, porous or damp surfaces. In the internal test campaign on the adhesion strength of the best-performing tapes in the range, FLEXI BAND recorded the highest values in the peeling tests on OSB supports at 90° and 180° in the acrylic tape 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 <sup>(1)</sup>	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 <sup>(2)</sup>	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 <sup>2</sup> ·24h)	-
Exposure to weather		> 6 months	-
Fire resistance rating on plain CLT joint (100 mm), 5 mm joint combined with FIRE STRIPE GRAPHITE <sup>(*)</sup>	EN 1363-4	EI 90	-
Fire tightness and insulation on plain CLT joint, 2 mm joint <sup>(*)</sup>	EN 1363-4	> 100 minutes	-
Application temperature <sup>(3)</sup>		-18/+40 °C	0/+104 °F
Resistance to temperature		-40/+80 °C	-40/+176 °F
Storage temperature <sup>(4)</sup>		+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	-

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

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

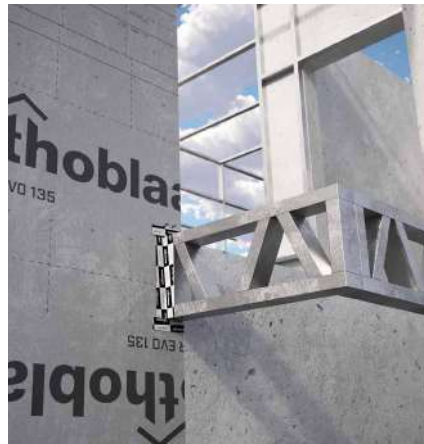
<sup>(3)</sup> On dry support and at a temperature > -13 °C. The absence of condensation or frost on the surface must be guaranteed.

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

<sup>(\*)</sup>For full details and tested configurations, please refer to the manual or contact our technical department.


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

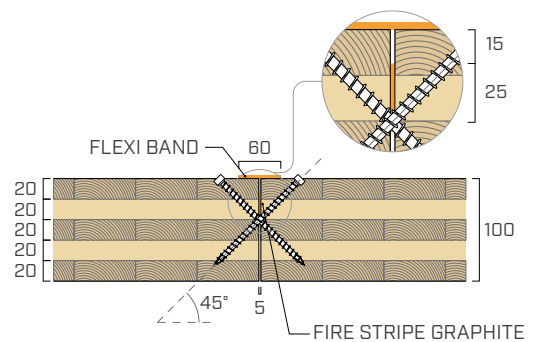
## FIELDS OF APPLICATION



## 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.

<b>TIGHTNESS (E)</b>	Cotton swab	<b>&gt; 106 minutes</b>	
	Persistent flame		
<b>INSULATION (I)</b>	Time	<b>&gt; 106 minutes</b>	<b>EI 90</b>



## 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

