EXPAND BAND

SELF-EXPANDING SEALING TAPE

EI 120 | CLT | D DIN 18542 BG1 | EXPANDING TAPE | SOUND PROTECTION

PERMANENT ELASTIC EXPANSION

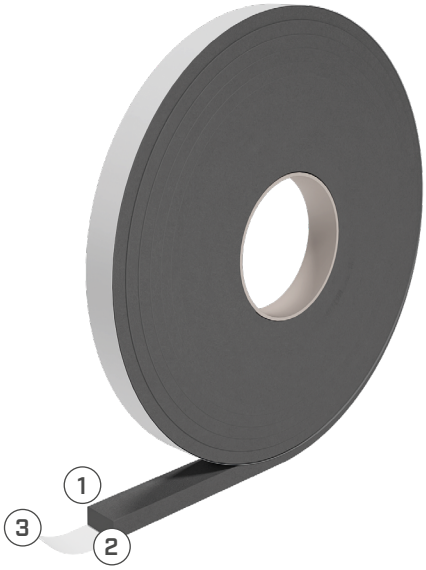
The tape's self-expansion remains elastic and unchanged over time, providing protection from water, dust and wind.

SAFETY

The modified polyurethane foam has passed the most stringent tests on harmful emissions, ensuring safe installation even indoors.

COMPOSITION

EXPAND BAND



1. elastic polyurethane foam with additives
2. **glue**: assembly adhesive
3. **release liner**: silicone coated paper

EXPAND BAND EVO

1. elastic polyurethane foam with special film additives
2. **glue**: assembly adhesive

CODES AND DIMENSIONS

EXPAND BAND

CODE	B [mm]	s [mm]		L [m]	*B [in]*	*s [mil]*		*L [ft]*	
EXPAND1014	10	1	4	13	*0.4*	*39*	*157*	*43*	48
EXPAND1514	15	1	4	13	*0.6*	*39*	*157*	*43*	32
EXPAND1549	15	4	9	8	*0.6*	*157*	*354*	*26*	32
EXPAND15615	15	6	15	6	*0.6*	*236*	*591*	*20*	32
EXPAND20920	20	9	20	4	*0.8*	*354*	*787*	*13*	24
EXPAND40615	40	6	15	8	*1.6*	*236*	*591*	*26*	12
EXPAND60615	60	6	15	8	*2.4*	*236*	*591*	*26*	8

The maximum thickness does not coincide with the maximum expansion but rather indicates the limit for optimal product performance.

EXPAND BAND EVO

CODE	B [mm]	s [mm]		L [m]	*B [in]*	*s [mil]*		*L [ft]*	
EXPANDEVO1514	15	1	4	13	*0.6*	*39*	*157*	*43*	32

The maximum thickness does not coincide with the maximum expansion but rather indicates the limit for optimal product performance.

TECHNICAL DATA

Properties	standard	value	*USC units*
Classification	DIN 18542	BG1	-
Resistance to penetration of air	EN 12114	$\alpha \leq 1{,}0\ m^3/(h \cdot m \cdot (daPa)^n$	-
Driving rain test	EN 1027	≥ 600 Pa	-
Resistance to UV and weathering	DIN 18542	compliant with class BG1	-
Compatibility with other building materials	DIN 18542	compliant with class BG1	-
Water vapour transmission (Sd)	EN ISO 12572	< 0,5 m	*> 7 US Perm*
Reaction to fire	DIN 4102-1	class B1	-
	EN 13501-1	npd	-
Fire resistance rating on plain CLT joint (200 mm), 2 mm joint, double strip(*)	EN 1363-4	EI120	-
Fire resistance rating on plain CLT joint (100 mm), 3 mm joint, double strip(*)	EN 1363-4	EI90	-
Fire resistance rating on half-timber CLT joint (200 mm), 2 mm joint, double strip(*)	EN 1363-4	EI120	-
Thermal conductivity (λ)	EN 12667	≤ 0,043 W/(m·K)	*≤ 0.025 BTU/h·ft·°F*
Resistance to temperature	DIN 18542	-30/+90 °C	*-22/+194 °F*
Emicode (GEV test procedure)	-	EC1 plus	-
Application temperature	-	≥ +5 °C	*≥ +41 °F*
Storage temperature(1)	-	+1/+20 °C	*+33.8/+68 °F*

(1)Store the product in a dry, covered location for no more than 12 months.
(*)For full details and tested configurations, please refer to the manual or contact our technical department.

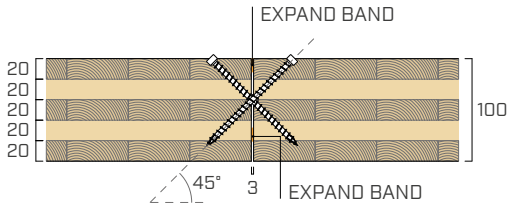
Waste classification (2014/955/EU): 17 02 03.

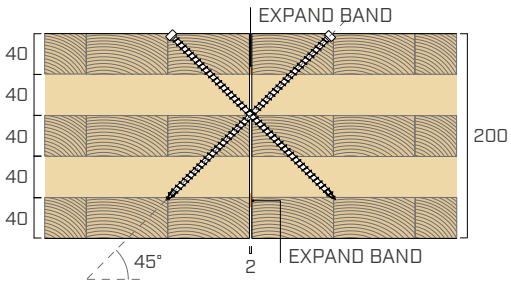
FIRE TIGHTNESS AND INSULATION

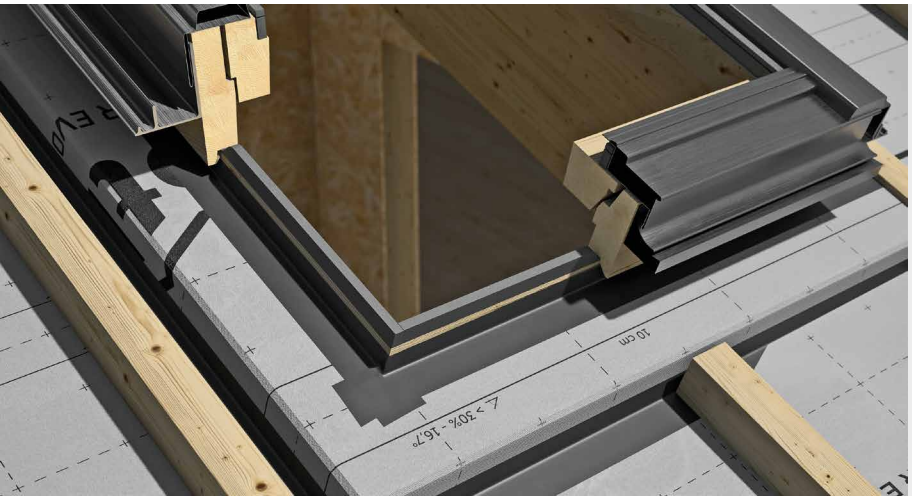
Tests carried out at the CSI laboratory in accordance with EN 1363-4 enabled characterisation of the fire behaviour of several CLT joints sealed with Rothoblaas products.

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

TIGHTNESS (E)	Cotton swab	**160 minutes**	EI 120
	Persistent flame		
INSULATION (I)	Time	**160 minutes**	







EVO VERSION

The EVO version not only reduces waste and installation time because it has no release liner, but is also equipped with a special film allowing its shape to be maintained without automatically self-expanding when rolled up.

SAFE PACKAGING

Supplied with a plastic core to prevent water and moisture absorption during construction, which could cause unwanted swelling.