

CONSTRUCTION SEALING

COMPRESSIBLE SEALING GASKET FOR REGULAR JOINTS



FIRE RESISTANCE OF JOINTS

In collaboration with the CSI laboratory, the product was used to test the strength of CLT joints sealed with Rothoblaas products.

NOISE REDUCTION

The acoustic performance was tested in the Flanksound Project by Rothoblaas: using it as a wall isolation gasket provides up to 4 dB of noise reduction.



TECHNICAL DATA

Properties	standard	value	USC units
Material	-	Expanded and extruded EPDM	-
Thickness	-	3 mm	118 mil
Density ρ	ISO 2781	approx. 0,48 g/cm ³	0.28 oz/in ³
Compression deformation 22h +23 °C	EN ISO 815	< 25%	-
Compression deformation 22h +40 °C	EN ISO 815	< 35%	-
Fire resistance rating on plain CLT joint (100 mm), 2 mm joint (*)	EN 1363-4	EI 90	-
Correction of K_{ij} in the presence of elastic profile in the joint $\Delta_{l,ij}$ ⁽¹⁾	ISO 10848-1	4 dB	-
Storage temperature ⁽²⁾	-	+5/+25 °C	+41/+77 °F
Resistance to temperature	-	-35/+100 °C	- 34/+212 °F
Solvents	-	no	-

⁽¹⁾Measurement performed during the Flanksound Project.

⁽²⁾Store the product in a dry, covered location.

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

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

CODES AND DIMENSIONS

CODE	B [mm]	s [mm]	L [m]	B [in]	s [mil]	L [ft]	
CONSTRU4625	46	3	25	1.8	118	82	3



TESTED RESISTANCE

In Rothoblaas' experimental fire protection project it was tested for an EI value.

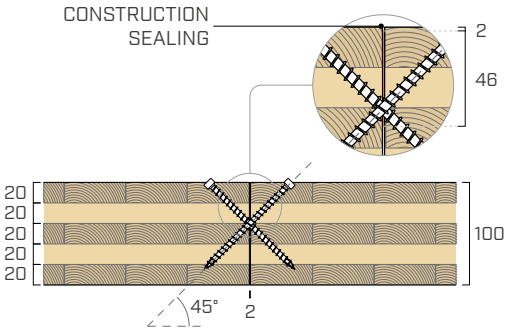
FIELDS OF APPLICATION



FIRE TIGHTNESS AND INSULATION

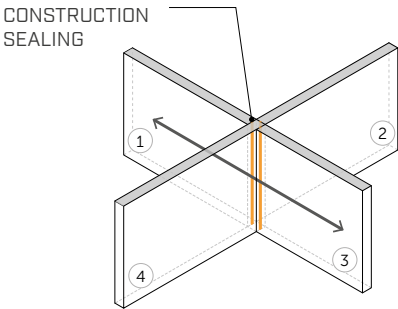
Tests conducted in the CSI laboratory in accordance with EN 1363-4 enabled characterisation of the fire behaviour of various CLT joints sealed with Rothoblaas products.

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



NOISE REDUCTION

During the FLANKSOUND PROJECT, CONSTRUCTION SEALING campaign, it was tested to assess the vibration reduction index K_{ij} in accordance with EN ISO 10848. The results demonstrated a 4 dB reduction in an exposed CLT wall joint, confirming the product's efficacy.



Increased vibration reduction index	$\Delta_{l,13} = 4 \text{ dB}$	<div></div> <div>SOUND PROTECTION</div>
	$\Delta_{l,13} = K_{13,with} - K_{13,without}$	

