FIRE SEALING SILICONE

HIGH FIRE-RESISTANT SILICONE SEALANT

EN 15651-1

B-s2,d0 | EI 240 | CLT

EXTERNAL SEALING | SOUND PROTECTION

FIRE RESISTANCE EI 240

Silicone sealant designed to offer maximum protection against the passage of flames, smoke or gases.
It has been tested in horizontal and vertical constructions on connecting joints in both concrete and timber.

NOISE REDUCTION

The product has been tested in different configurations at the University of Bologna in accordance with ASTM C919-9 and ISO 10140-2:2021, achieving high soundproofing performance.

HIGH UV RESISTANCE

The silicone polymer remains intact even when exposed to UV radiation, with no surface micro-cracks or chalking observed years after installation.

TECHNICAL DATA

Properties	standard	value	*USC units*
Classification	EN 15651-1	F-EXT/INT-CC[1]	-
Density	ISO 1183-1	1,482 g/mL	*12.37 lb/gal*
Yield for 10x10 mm joint	-	3,1 m	*10.7 ft*
Surface cross-linking time 23 °C	-	approx. 80 min	-
Hardening speed 23 °C	-	approx. 2 mm in 24 h	-
Operating temperature	-	-50/+150 °C	*-58/+302 °F*
Application temperature	-	+5/+40 °C	*+41/+104 °F*
Shore A hardness	DIN 53505	approx. 30	-
Elongation at failure	DIN 53504	460%	-
Tensile strength	DIN 53504	0,72 N/mm^2	*104 lbf/in^2*
Compressive modulus 100%	DIN 53504	0,38 N/mm^2	*55 lbf/in^2*
Reaction to fire	EN 13501-1	class B-s2,d0	-
Fire resistance rating on concrete(*)	EN 13501-2	EI 240	-
Fire resistance rating on plain CLT joint (100 mm), 5 mm joint(*)	EN 1363-4	EI 90	-
Fire resistance rating on CLT joint (200 mm) with joint cover board, 2 mm joint (*)	EN 1363-4	EI 120	-
Resistance to acids and bases	-	excellent	-
Emicode	GEV test procedure	EC1	-
French VOC classification	ISO 16000	A+	-
Storage temperature[2]	-	+5/+25 °C	*+41/+77 ° F*

[1] Non-structural sealant for façade elements, for external and internal use, also in areas with cold climates.
[2] Store the product in a dry, covered location. Check the expiry date on the packaging.
(*) For full details and tested configurations, please refer to the manual or contact our technical department.

Waste classification (2014/955/EU): 08 04 09.
Eye Dam. 1 . Skin Sens. 1B. Repr. 1A.

CODES AND DIMENSIONS

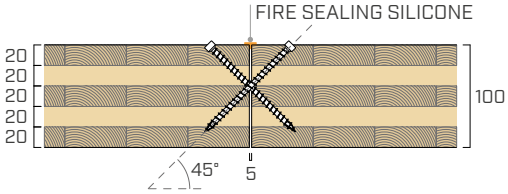
CODE	content [ml]	*content [US fl oz]*	colour	version	
FIRESILGRE310	310	*10.48*	grey	rigid cartridge	24

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.

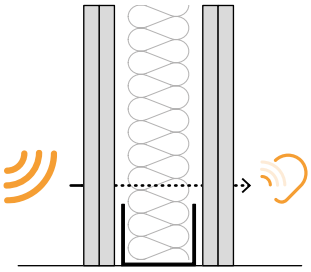
TIGHTNESS (E)	Cotton swab	**> 106 minutes**	EI 90
	Persistent flame		
INSULATION (I)	Time	**> 106 minutes**	



SOUND REDUCTION LEVEL MEASUREMENTS

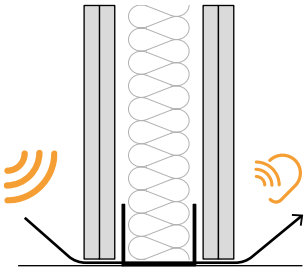
At the laboratories of the Building and Construction Research Centre - CIRI of the University of Bologna, tests were carried out in accordance with ASTM C919 to characterise the sealant from an acoustic point of view. The application of silicone made it possible to restore the sound reduction that the wall had lost when a crack was created in it.

plasterboard panels reaching down to the floor



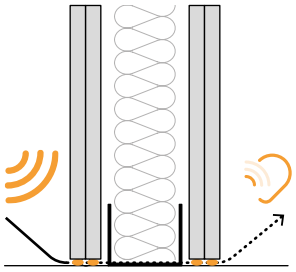
$R_w (C;C_{tr})$ = **50 (-2;-7) dB**

plasterboard panels that do not touch the floor



$R_w (C;C_{tr})$ = **25 (0;-2) dB**

plasterboard panels with **FIRE SEALING SILICONE** to restore the sound reduction index



$R_w (C;C_{tr})$ = **49 (-2;-8) dB**

FAÇADE AND EXTREME CLIMATES

Classified, in accordance with EN 15651-1, for indoor and outdoor non-structural uses, it can also be used on façades and in areas with cold climates. High adhesion and high UV resistance.

SAFETY

For sealing linear joints in fire rated walls and doors, in situations subject to fire regulations.