

FIRE SEALING SILICONE

HIGH FIRE-RESISTANT SILICONE SEALANT



JUNCTION TESTED



SAFETY

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

FIRE RESISTANCE EI 240 AND CLASS B-s1,d0

Tested protection, designed to offer maximum protection against the passage of flames, smoke or gases.

TECHNICAL DATA

Properties	standard	value	USC conversion
Composition	-	silicone	-
Classification	EN 15651-1	F-EXT/INT-CC ⁽¹⁾	-
Density	ISO 1183-1	1,482 g/mL	237.65 oz/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	-
Shore A hardness	DIN 53505	approx. 30	-
Elongation at failure	DIN 53504	460%	-
Tensile strength	DIN 53504	0,72 N/mm ²	104.43 lbf/in ²
Compressive modulus 100%	DIN 53504	0,38 N/mm ²	55.11 lbf/in ²
Reaction to fire	EN 13501-1	class B-s1,d0	-
Fire resistance rating	EN 13501-2	EI 240 ⁽²⁾	-
Fire tightness and insulation on plain CLT joint, 2 mm joint *	EN 1363-1	> 100 minutes	-
Fire tightness and insulation on plain CLT joint, 2 mm joint + FLEXI BAND *	EN 1363-1	> 160 minutes	-
Fire tightness and insulation on CLT joint with joint cover board, 2 mm joint *	EN 1363-1	> 160 minutes	-
Acid resistance	-	excellent	-
Bases resistance	-	excellent	-
Ecode	GEV test procedure	EC1	-
French VOC classification	ISO 16000	A+	-
VOC content	-	4,3% / 64 g/L	-
Expiry ⁽³⁾	-	up to 12 months	-

⁽¹⁾ Non-structural sealant for façade elements, for external and internal use, also in areas with cold climates.

⁽²⁾ Valid for tested configurations.

⁽³⁾ Store the product in a dry place and check the expiry date on the cartridge.

Waste classification (2014/955/EU): 08 04 09.

* See the manual or contact the technical office for more information on configuration

Eye Dam. 1 . Skin Sens. 1B.

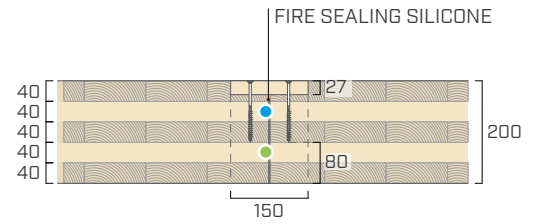
CODES AND DIMENSIONS

CODE	content [ml]	content [US fl oz]	colour	version	
FIRESILGRE310	310	10.48	grey	rigid cartridge	24
FIRESILIVO310	310	10.48	ivory	rigid cartridge	24

✓ FIRE TIGHTNESS AND INSULATION

Tests carried out at the CSI laboratory according to EN 1363-1 enabled the fire behavior of several CLT joints sealed with Rothoblaas products to be characterized.

TIGHTNESS (E)	Cotton swab	> 160 minutes
	6-mm gauge	
	25-mm gauge	
	Persistent flame	
INSULATION (I)	Time	> 160 minutes
	ΔT measured at the test end (after 160 minutes)	
	● 140 mm from slab bottom	86 °C
	● 60 mm from slab bottom (non-exposed face)	8 °C



■ FIELDS OF APPLICATION

IVORY



GREY



FAÇADE AND EXTREME CLIMATES

Classified, according to 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.

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