

Sabaprotect M500

fire-resistant, re-paintable and elastic sealant

Description

Sabaprotect M500 is a smoke and fire-resistant, 1-component, elastic, humidity-curing, MS-polymer-based sealant for sealing (dilatation) joints and window frames made of steel or wood.

Field of application

Building construction, maintenance and renovation. Sabaprotect M500 is ideal for up to 120 minutes smoke and fire-resistant seals of (dilatation) joints up to 50 mm wide, for example between stone materials and connections between stone walls and steel or timber window frames.

Advantages

- up to 120 minutes fire resistance with standard back foam
- permanently elastic
- re-paintable with water-based paints
- no staining along edges
- excellent aging resistance
- contains no solvents, isocyanides and silicones
- CE mark based on EN 15651-1, Type F 25LM INT-EXT & EN 15651-4, Type PW 25LM INT-EXT
- certification: EN13501-2:2007+A1:2009 & ISEGA (in connection with HACCP)



Method of use

For instructions for use, paintability and pre-treatment, see the relevant info sheets and pre-treatment tables.

Technical data

Basis	MS-polymer, humidity-curing
Density (EN 542)	approx. 1.450 kg/m ³
Skin time (23 °C, 50% RLV)	approx. 15 minutes
Cure rate (23 °C, 50% RLV)	approx. 3 mm/24 hours
Hardness Shore A (EN ISO 868)	approx. 25
Maximum permissible deformation (ISO 11600)	approx. 25%
Modulus at 100% elongation (EN ISO 8339)	approx. 0.4 N/mm ²
Tensile strength (Fmax) (EN ISO 8339)	approx. 0.5 N/mm ²
Elongation at break (EN ISO 8339)	approx. 230%
Working temperature	min. + 5 °C to max. + 30 °C
Storage temperature	min. + 5 °C to max. + 25 °C
Temperature resistance	min. - 40 °C to max. + 120 °C
Temperature surface	min. + 5 °C to max. + 35 °C

Order information

Packaging	sausage		
Contents	600 ml (contains 15 items)		
Colour	signal white (similar to RAL 9003)	silk grey (similar to RAL 7044)	signal black (similar to RAL 9004)
Article no.	101152 AAN	101149 AAN	101151 AAN
Shelf life	12 months (in unopened packaging)		

Other packaging and colours on request. The shelf life may vary for large packaging.

Safety recommendations

For more information about safety, see the relevant SABA Safety Data Sheet.

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Other information

1. Smoke and fire-resistance

surface	minimum wall thickness	tested joint width	E value
stone-stone	≥ 100 mm	up to 20 mm	up to 120 minutes
	≥ 100 mm	20 to 30 mm	up to 120 minutes
	≥ 100 mm	30 to 50 mm	up to 120 minutes
	≥ 100 mm	Δ 10 x 10 mm	up to 120 minutes
stone-wood	≥ 100 mm	up to 20 mm	up to 120 minutes
	≥ 100 mm	20 to 30 mm	up to 120 minutes
	≥ 100 mm	30 to 50 mm	up to 120 minutes
stone-steel	≥ 100 mm	up to 20 mm	up to 60 minutes
	≥ 100 mm	20 to 30 mm	up to 60 minutes
	≥ 100 mm	30 to 50 mm	up to 60 minutes

Based on open-celled back foam and sealing ratio (joint depth=(width/3)+6)

Sabaprotect M500 has been tested in the Peutz Laboratory for Fire Safety in Mook according to standard heating curve in compliance with the procedures given in EN 13501-2:2007+A1:2009 based on test methods EN 1363-1:1999, EN 1363-2:1999 and EN 1366-4:2006 +A1:2010.

For detailed information about the classifications, please refer to the classification reports, report number YA 1515-1-RA (Dutch version) or YA 1515-4E-RA (English version) issued on 13 August 2014; available on request.



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