

Product Data Sheet

SABA Sealer Fast



adhesives & sealants

Description

SABA Sealer Fast is a fast, chemically resistant and permanently elastic sealant. Solvent-free, self-levelling and UV stable, based on polysulphide (2-component). It can be applied quickly and efficiently, with little or no shrinkage and durably applicable as a result of excellent elastic recovery following loading within the maximum permissible deformation.

Areas of application

SABA Sealer Fast was developed for fast elastic sealing or repair of horizontal normal or fuel resistant (expansion) joints with a maximum gradient of approximately of 3% in (prefab) paving constructions for vehicle traffic. Widely applicable during construction or maintenance of civil engineering works under time pressure, such as motorways, roads, airports, ports, parking facilities, logistical centres and industrial floors. Can also be used as a sealant for installations for storage, filling or treatment of substances that are hazardous for watery environments and/or where (temporary) chemical resistance is required.

Advantages

- fast and efficient application with pump
- no finishing required due to self-levelling characteristics
- accessible soon after application
- resistant to defined engine fuels such as petrol, diesel, kerosene and LPG
- resistant to extreme climate/weather conditions

Technical data

Properties*	
Base component A & B	polysulfide & manganese oxide
Density component A & B (EN 542)	≈ 1.310 kg/m ³ & ≈ 1.840 kg/m ³
Processing time (23 °C, 50% RH)	≈ 30 minutes
Application temperature (min./max.)	+5 °C / +35 °C
Product application temperature	+5 °C / +35 °C (with pump application > +20 °C)
Substrate temperature (min./max.)	+5 °C / +35 °C, +3 °C above the dew point
Curing time (23 °C, 50% RH)	≈ 7 hours
80% of the final strength (23 °C, 50% RH)	≈ 3 hours
Shore A hardness (EN ISO 868)	≈ 25
Volume loss (EN ISO 10563)	< 3%
Max. permissible deformation (ISO 11600)	≈ 35%
Modulus at 100% elongation (EN ISO 8339)	≈ 0,3 N/mm ²
Tensile strength (Fmax) (EN ISO 8339)	≈ 0,5 N/mm ²
Elongation at break (EN ISO 8339)	≈ 600%
Elastic recovery (EN ISO 7389)	> 85%
Temperature resistance (min./max.)	-50 °C / +120 °C
Colours (standard)	black
Packaging	sets (A + B component) of 30 litres
Shelf life	6 months in unopened original packaging, if protected against moisture and direct sunlight
Storage temperature (min./max.)	+5 °C / +25 °C

* Tested according to SABA Analysis Method unless stated otherwise.

Certificates & test reports

- CE marking based on EN 14188-2, class A-D

- Allgemeine bauaufsichtliche Zulassung Z-74.6-157 issued by DIBt, SABA sealant system for joints in installations for storage, filling or treatment of substances that are hazardous for watery environments
- meets the durability test for joint systems in (prefab) paving constructions for vehicle traffic made of concrete according to Bk 1.8 in accordance with RSt0 12, tested by Bundesanstalt für Materialforschung und -prüfung (BAM), > 12 cycles
- suitable for applications according to IVD instruction sheet no. 1, 6, 15 & 16

Equipment

Apply SABA Sealer Fast with a pump system with a 1:1 mixing ratio by volume. For advice and more information about SABA application equipment, please contact our customer service department.

Application

Preparation: Bonding surfaces must be dimensionally stable, dry, homogenous and free of grease, oil, dust or loose parts. Remove contamination such as cement laitance, rust and bitumen. At joints in trafficked pavements, preferably apply a bevel with a face width of 3 to 10 mm. Use backing material to obtain the correct layer thickness and prevent three-point adhesion.

Bonding surface pretreatment: Use the SABA Pretreatment Table for Environment & Infrastructure to determine which cleaner and/or primer should be used. Ask SABA for advice in case of doubt or if your substrate does not occur in the list.

Application: Inject the sealant with a continuous, smooth action without creating air inclusions in the joint. Always start at the bottom of the joint and fill the joint from the bottom to the top. Fill the joints to the lower edge of the bevel.

Finishing: SABA Sealer Fast is self-levelling and does not require finishing.

Curing mechanism: The curing speed depends on the temperature. At higher temperatures curing is faster, at lower temperatures curing is slower.

Cleaning: Uncured material can be removed from tools and equipment with Sabaclean 22. Cured material must be removed mechanically.

Repair: Remove all the old sealant mass by cutting this out and lightly sand the bonding surfaces. Clean any connecting points of old and new sealant mass with Sabaclean 22. Apply the new sealing mass as described (including pretreatment).

Chemical resistance

Tested liquids:	
1	petrol for motor vehicles in accordance with NEN-EN 228 with a maximum (bio)ethanol content of 5% (v/v) in accordance with NEN-EN 15376
1a	petrol for motor vehicles compliant with NEN-EN 228 with addition of biofuel components compliant with Directive 2009/28/EC, with a maximum total content of 20% (v/v)
2	kerosene
3b	diesel fuels compliant with NEN-EN 590 with addition of biodiesel compliant with NEN-EN 14214, with a maximum total content of 20% (v/v)
3c	diesel fuel mixtures compliant with NEN-EN 16709 with a high level of fatty acid methyl ester (FAME), with a maximum total content of 30% (v/v)
12	aqueous solutions of inorganic, non-oxidising salts with a pH value between 6 and 8
-	Skydrol
-	AdBlue (carbamide up to 32.5% in aqueous solution)

More information about specific chemicals or groups of chemicals on request.

Safety recommendations

It is very important to SABA that our products are used safely and handled responsibly. For more safety information, please refer to the relevant SABA material safety data sheet.

Contact

Our customer service department would be pleased to answer any questions you may have. Please contact your local SABA office.

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Version number 2022/04/11, this supersedes all previous versions