

Product Data Sheet

SABA Flexfill



adhesives & sealants

Description SABA Flexfill is a 2-component, self-levelling, solvent-free, abrasion-resistant, permanently elastic and UV-stable polyurethane-urea-based casting compound. Easy to process with robust characteristics.

Areas of application SABA Flexfill has been designed for the sealing of horizontal transitions/gaps that are subjected to heavy mechanical stresses and with a maximum gradient of approx 3%. Suitable for the functional filling of gaps in paving structures made of (prefab) concrete elements, possibly with transitions between concrete and asphalt concrete. Evens transitions between floor elements, reducing shocks to forklifts and other traffic, and limiting noise. It can be used, for instance, as a casting compound for induction loops and in warehouses, factory shop floors, exhibition halls or other industrial floors.

- Advantages**
- shock-absorbing
 - noise-reducing
 - strong mechanical properties
 - high abrasion resistance
 - for use as top sealant in the SABA Double Joint system

Technical data

Properties*	
Base component A & B	PU prepolymer & amine
Density component A & B (EN 542)	≈ 1.040 kg/m ³ & ≈ 1.020 kg/m ³
Processing time (15 °C & 20 °C)	≈ 40 & ≈ 30 minutes
Application temperature (min./max.)	+15 °C / +35 °C
Substrate temperature (min./max.)	+5 °C / +35 °C, +3 °C above the dew point
Mechanically loadable after (10 °C & 20 °C)	≈ 48 & ≈ 24 hours
Maximum final strength (20 °C)	≈ 5 days
Shore A hardness (EN ISO 868)	≈ 65
Modulus at 100% elongation (ISO 37/DIN 53504)	≈ 2,5 N/mm ²
Tensile strength (Fmax) (ISO 37/DIN 53504)	> 10,0 N/mm ²
Elongation at break (ISO 37/DIN 53504)	≈ 900%
Temperature resistance (min./max.)	-20 °C / +70 °C
Colours (standard)	grey
Packaging	sets (A + B component) of 6 litres
Shelf life	6 months in unopened original packaging, if protected against moisture and direct sunlight
Storage temperature (min./max.)	+15 °C / +25 °C

* Tested according to SABA Analysis Method unless stated otherwise.

Equipment

Mixing:

- 800 W drill
- paddle mixer

Application:

- pneumatic spray gun, for example SABA LKB 2500 RV or LKB 7500 RV
- pour from the tin

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 particles. Remove contaminants such as cement laitance, rust and bitumen. Use back foam or separation tape to prevent three-point bonding and mask the edges with tape to minimise the need for cleaning.

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.

Mixing: Add the hardener (component B) to the base component (component A) and mix together thoroughly with a mixer that is suitable for the packaging. During mixing be sure to include the sides and base of the packaging. Mixing is complete when the compound has a homogenous, streak-free colour, the general rule being that one minute of mixing per litre of product is sufficient.

Application: Spray or pour the compound smoothly and continuously without trapping air in the gaps.

Finishing: SABA Flexfill is self-levelling and does not require finishing. Optionally, air bubbles may be removed from the surface immediately after application by briefly applying heat by means of a hot air gun.

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.

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 will be happy to answer all your questions. Please call us at +31 (0) 315 65 89 99 or email us at info@saba-adhesives.com

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