

Product Data Sheet

Sabatack® 790



Description

Sabatack® 790 is an elastic, fast, strong and high tack construction adhesive and sealant. UV-stable, permanently elastic and (air) moisture-curing, based on MS polymer (1-component). Free of hazard symbols, silicones and isocyanates. The product is very easy to apply, odourless, shows hardly any shrinkage, has low sensitivity to blistering and if required, can be painted wet-on-wet.

Areas of application

Can be used in various industries for elastic structural bonding where high initial tack and high end strength are required, such as elastic bonding of different types of frames, profiles, sheet metal, etc. Suitable for indoor and outdoor applications in, for example, vehicle manufacturing, the bus and touring car industry, railway vehicles, the maritime sector or construction (including prefab). Also suitable for sealing horizontal and vertical seams, overlaps and joints.

Advantages

- high viscosity with high initial tack
- wide bonding spectrum, also without primer
- high final strength
- good temperature resistance
- does not contain any silicones, isocyanates or CMR substances

Technical data

Properties*	
Base	MS polymer, (air) moisture-curing
Density (EN 542)	≈ 1.380 kg/m ³
Skin formation time (23 °C, 50% RH)	≈ 8 minutes
Open time (23 °C, 50% RH)	≈ 10 minutes
Application temperature (min./max.)	+5 °C / +35 °C
Substrate temperature (min./max.)	+5 °C / +35 °C, +3 °C above the dew point
Cure speed (23 °C, 50% RH)	≈ 3,5 mm/24 hours
Shore A hardness (EN ISO 868)	≈ 64
Volume loss (EN ISO 10563)	< 5%
Modulus at 100% elongation (ISO 37/DIN 53504)	≈ 2,7 N/mm ²
Tensile strength (Fmax) (ISO 37/DIN 53504)	≈ 3,8 N/mm ²
Elongation at break (ISO 37/DIN 53504)	≈ 180%
Shear strength (ISO 4587)	≈ 2,3 N/mm ²
Temperature resistance (min./max.)	-40 °C / +120 °C
Short temperature resistance, up to 30 minutes (max.)	+180 °C
Colours (standard)	white (≈ RAL 9003), black (≈ RAL 9011)
Packaging	290 ml cartridge (packaging contains 24 units), 600 ml sausage (packaging contains 15 units), other packaging forms available on request
Shelf life	18 months (290 ml cartridge), 15 months (600 ml sausage) 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 • Wheelmark (164.106/1121/WCL MED0328)

Equipment When processing cartridges or sausages, use a suitable manual, air-powered or battery powered gun.

For advice and more information about SABA application equipment, please contact our customer service department.

Application

Bonding surface preparation: Bonding surfaces must be dimensionally stable, dry, homogenous and free of grease, oil, dust or loose parts.

Bonding surface pretreatment: Use the SABA Pretreatment Table for Transport to determine which cleaner, activator 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: Cut the nozzle to the desired length. Apply the material in a continuous fluent motion without trapping any air.

Finishing: Use tools soaked in soapy water to finish the compound. Only use neutral and acid-free soap, for example Sabafinish.

Curing mechanism: The curing speed depends on humidity and temperature. Curing is faster at higher humidity/temperatures and slower at lower humidity/temperatures.

Cleaning: Uncured material can be removed from tools and equipment with Sabaclean 48. Cured material must be removed mechanically.

Paintable: Can be overpainted with most water-based and conventional paint systems. Given the wide range of paint systems used in the market, we recommend performing an adhesion test to determine tolerance before use.

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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