

Product Data Sheet

Sabatack® 780



Description

Sabatack® 780 is an elastic, high tack and all-round construction adhesive and sealant. Solvent-free, 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. Examples of use include elastic bonding of different types of frames, profiles, sheet metal, etc. Suitable for indoor and outdoor applications in, for example, vehicle manufacturing, bus and caravan industry, railway vehicles, the maritime sector or construction (including prefab). In addition, it is also suitable for sealing horizontal and vertical seams, overlaps and joints.

Advantages

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

Technical data

Properties*	
Base	MS polymer, (air) moisture-curing
Density (EN 542)	≈ 1.350 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 mm/24 (23 °C, 50% RH)
Shore A hardness (EN ISO 868)	≈ 55
Volume loss (EN ISO 10563)	< 3%
Modulus at 100% elongation (ISO 37/DIN 53504)	≈ 2,2 N/mm ²
Tensile strength (Fmax) (ISO 37/DIN 53504)	≈ 3,6 N/mm ²
Elongation at break (ISO 37/DIN 53504)	≈ 240%
Shear strength (ISO 4587)	≈ 1,8 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), grey (≈ RAL 7004), 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 (2812/2023)

- ISEGA (in connection with HACCP)

Equipment

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

For advice and more information about 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 BluSky 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.
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 methylated spirits. 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 BluSky 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 BluSky office.



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SABA Dinxperlo BV

Our recommendations and instructions for use are based on current knowledge and technology. Customers and users must make their own assessment of our products with regard to their desired utilization and requirements. We are not liable if our products are not used according to our recommendations and/or instructions for use. Our general terms and conditions apply to all requests, instructions for use, quotations, orders, and agreements. These general terms and conditions have been filed with the Arnhem Chamber of Commerce under number 09065419 and can also be consulted on our website at www.saba-adhesives.com. At your request, a copy of these terms and conditions will be sent to you free of charge. The general terms and conditions incorporate a limitation of SABA Dinxperlo BV's liability, as well as the choice of Dutch law as the applicable law and choice of the courts of the Netherlands as the forum. Any disputes ensuing from or relating to requests, instructions for use, quotations, orders, and agreements of SABA Dinxperlo BV must be brought before the competent court in the district where SABA Dinxperlo BV is based. Version number 2023/02/20, this supersedes all previous versions