



PRODUCT DATA SHEET

Sikacryl®-500 Performans Silikonize Mastik

High performance acrylic joint sealant

DESCRIPTION

Sikacryl®-500 Performance is a 1-part acrylic, water-based sealant and crack filler.

USES

- Used in joints around wooden, PVC and aluminium windows
- Used in joints between prefabricated building elements
- For filling superficial cracks in pre-paint applications

PRODUCT INFORMATION

Packaging

450 g/300 ml cartridge (24 cartridges per box)

Colour

White, black, gray, brown, anthracite etc. For other colours please contact the local sales organisation.

FEATURES

- Adhesion to various substrates
- Over-paintable
- Internal use

CERTIFICATES AND TEST REPORTS

CE Marking and Declaration of Performance to EN15651-1 - Sealants for interior application

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Shelf life	18 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25°C. Always refer to packaging.
Density	~1,51 kg/l

TECHNICAL INFORMATION

Shore A hardness	~58 (after 28 days)
Tensile strength	0,4 N/mm ²
Joint design	The joint dimensions must be designed to suit the movement capability of the sealant. The joint width must be ≥ 10 mm and ≤ 20 mm. A width to depth ratio of 2:1 must be maintained. Triangular joint profiles must have sides for bonding ≥ 7 mm.
Elongation at break	~130 %

APPLICATION INFORMATION

Ambient air temperature	+5 °C to +30 °C, min. +3 °C above dew point temperature.
Skinning time	~20-35 minutes (+23 °C / 50 % r.h.)

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTATION

- Pre-treatment Sealing and Bonding Chart

IMPORTANT CONSIDERATIONS

- Colour variations may occur due to the exposure in service to chemicals, high temperatures and/or UV radiation (especially with white colour shade). This

effect is aesthetic and does not adversely influence the technical performance or durability of the product.

- Sikacryl®-500 Performance can be over-painted with most conventional facade paint coating systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials (e.g. according to ISO technical paper: Paintability and Paint Compatibility of Sealants). Optimum results are obtained when the sealant is allowed to fully cure first. Note: non-flexible paint systems may impair the elasticity of the sealant and lead to cracking of the paint coating.
- Do not use on bituminous substrates, natural rubber, EPDM rubber or on any building materials which

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might leach oils, plasticisers or solvents that could degrade the sealant.

- Do not use as a glass sealant, for floor or sanitary joints, on marble, natural stone or on civil engineering structures.
- Do not use for joints under water pressure or permanent water immersion.
- Application during high temperature changes is not recommended (movement during curing).

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and free from oils, grease, dust and loose or friable particles. Sikacryl®-500 Performance adheres without primers and/or activators. On plastics and paints, adhesion tests must be carried out prior to application. Iron and steel must be protected with an anti-corrosion primer.

MIXING

1-part ready to use

APPLICATION METHOD / TOOLS

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing. Sikacryl®-500 Performance is supplied ready to use. Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude Sikacryl®-500 Performance into the joint or around the connection en-

suring that it comes into full contact with the sides of the joint or connecting surfaces and avoiding any air entrapment.

After application, sealant must be firmly tooled against the joint sides to ensure adequate adhesion and a smooth finish. Use water to smooth the joint surface. Do not use tooling products containing solvents.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most

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recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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