

Sikacryl®-S

1-Part Elasto-plastic Acrylic Sealant for Internal Low Movement Joints

Product Description

Sikacryl®-S is an elasto plastic one part sealant, based on an acrylic dispersion.

Sikacryl®-S is a non sag sealant designed for internal joints with low movement requirements. Suitable for use in hot and tropical climates.

Uses

- For sealing of indoor connection joints with low movement in substrates such as concrete, aerated concrete, plaster, fibre cement, brick, fibre cement, plasterboards, aluminium, UPVC and wood etc.
- Indoor connection joints around windows, window sills, doors, PVC pipes, dry walls and ceiling etc.
- **Sikacryl®-S** is also suitable for crack filling (with no permanent water immersion)

Characteristics / Advantages

- Low odour
- Good application properties
- Good adhesion to substrates such as wood and concrete etc.
- Movement capability 10%
- High durability

Product Data

Form Gunable Paste

Colours White, grey.

Packaging 300 cartridges, 12 cartridges per box.
600 ml unipacs, 20 unipacs per box.

Storage

Storage Conditions / Shelf Life 24 months from date of production if stored in undamaged and unopened, original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C. **Sikacryl®-S** must be protect from frost.

Technical Data

Chemical Base 1-part acrylic dispersion.

Density ~ 1.55 kg/ltr (DIN 53 479)

Skinning Time ~ 20 minutes (+23°C / 50% r.h.)

Curing Rate ~ 2 mm / 24h (+23°C / 50% r.h.)

Movement Capability 10%



Sag Flow Very good.

Service Temperature Between -25°C and +70°C (dry)

Mechanical / Physical Properties

Shore A Hardness 22 +/- 6 (28 days, +23°C / 50% r.h.)

System Information

Application Details

Consumption Joint Design:
The joint must be designed to accommodate the movement capacity of the sealant. In general minimum joint width for connection joints must be 10 mm up to joint dimensions of max. 20 mm width, a width to depth ration of 2 : 1 must be respected.

Width	10 mm	15 mm	20 mm
Depth	10 mm	8 mm	10 mm

For triangular joints the sides must be 7 mm minimum.

$$\text{Length of joint (m)} = \frac{300 \text{ or } 600 \text{ ml}}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/meter run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000 \text{ ml}}$$

Backfilling:
Use closed cell, sealant compatible foam backer rods such as high resilience polyethylene foam rod to prevent 3 sided adhesion.

Substrate Quality Clean, sound and dry, homogeneous, free from grease, dust and loose particles.
Paint, laitance and other poorly adhering particles must be removed. Standard construction rules must be observed.

Substrate Preparation Normally no primer is required.
For porous substrate e.g. concrete, plaster, wood mix **Sikacryl®-S** with water = (ratio 1 : 1 to 1 : 5) and use it as a primer if necessary.
On plastics and paints test the adhesion properties. Iron and steel must be protected with an anti-corrosion primer.

Application Conditions / Limitations

Substrate Temperature +5°C min. / +30°C max.

Ambient Temperature +5°C min. / +35°C max.

Substrate Humidity Dry

Application Instructions

Application Method / Tools Insert Backing Rod to required depth.
Insert cartridge into sealant gun and firmly extrude **Sikacryl®-S** into the joint making sure that it is in full contact with the sides of the joint. Fill the joint, avoiding air entrapment. **Sikacryl®-S** should be tooled firmly against the joint sides to ensure good adhesion.

Masking tape should be used where sharp or neat lines are required. Remove the tape whilst the sealant is still soft. Tool the joint to a smooth surface with water. Fresh, uncured sealant can be removed with a wet cloth.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened / cured material can be removed mechanically.

Notes on Application / Limitations

Pre-tests for overpaintability and paint compatibility are recommended. In case of over coating **Sikacryl®-S** the compatibility must be tested individually according to DIN 52 452-4.

Do not use on easily corroding substrates like blank steel, iron etc.

Colour deviations may occur due to chemicals, high temperature, UV-radiation (especially with colour shade white). A change in colour does not influence the technical and protective performance of the product.

Application during high temperature changes are not recommended (movements during the curing).

Do not use **Sikacryl®-S** as glass sealer, in floor joints, in sanitary joints, on marble, natural stones, civil engineering and in joints with permanent water immersion.

Do not use on bituminous substrates, natural rubber, chloroprene, EPDM or on building materials which might bleed oils, plasticisers or solvent.

Notes

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

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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 should always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request



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