

Product Data Sheet
Edition 09/05/2016
Identification no:
02051404000000020
Sikacryl®-S

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.

Uses

- For sealing of indoor connection joints with low movement on 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

Colours White, grey.

Packaging 300ml cartridges, 12 cartridges 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.

Construction



Technical Data

Chemical Base	1-part acrylic dispersion.
Density	~ 1.55 kg/l (DIN 53 479)
Skimming Time	~ 20minutes (+23°C / 50% r.h.)
Curing Rate	~ 2mm / 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 10mm, up to a joint dimensions of max. 20mm width, a width to depth ration of ~ 2 : 1 must be respected.

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

For triangular joints the sides must be 7mm minimum.

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

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

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 primers are 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-test 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 easy corroding substrates like blank steel, iron etc.

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

Application during high temperature changes is 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, chloropene, EPDM or on building materials which might bleed oils, plasticisers or solvent.

Value Base

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

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



Sika South Africa (Pty) Ltd
9 Hocking Place,
Westmead, 3608
South Africa

E-mail: headoffice@za.sika.com
Phone +27 31 792 6500
Telefax +27 31 700 1760
www.sika.co.za

