

PRODUCT DATA SHEET

Sikacryl® S

Acrylic sealant for minor movement joints and crack filling

DESCRIPTION

Sikacryl® S is a 1-part, acrylic joint sealant for internal minor movement joints and interior and exterior crack filling. It is non sag, has a primerless application, good adhesion to most construction materials, remains elastic over a wide range of temperatures and is over-paintable. Movement capability $\pm 7.5\%$.

USES

Sealing joints for:

- Interior joints on many types of substrate with a limited amount of movement
- Connections around window and door frames
- Around wall and ceiling penetrations

Crack filling:

- Internal and external cracks not exposed to permanent water immersion

PRODUCT INFORMATION

Chemical Base	1- part acrylic	
Packaging	300 ml cartridge: 12 cartridges per box. Refer to current price list for packaging variations.	
Colour	White, grey.	
Shelf Life	24 months from the 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	~1,65 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	~22 (28 days, +23 °C / 50 % r.h.)	(ISO 868)
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CHARACTERISTICS / ADVANTAGES

- Low VOC emissions
- Good application properties
- Good adhesion to many different substrates
- Movement capability $\pm 7.5\%$
- Over-paintable

ENVIRONMENTAL INFORMATION

- Conformity with LEED v2009 IEQc 4.1: Low-Emitting Materials - Adhesives and Sealants

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 15651-1 - Sealants for non-structural use in joints in buildings - Facade elements

Movement Capability ±7,5 % (ISO 9046)

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

SYSTEM INFORMATION

Compatibility Concrete, aerated concrete, plaster, fibre cement, brick, plasterboard, aluminium, UPVC, wood

APPLICATION INFORMATION

Consumption	Joint length	Joint width	Joint depth
	m per (300 ml)	mm	mm
	3,0	10	10
	2,0	15	10

Triangular joints (where the sides of the joint meet at a right angles) must have sides for bonding ≥ 7 mm.

Consumption calculation formula

Length of joint [m] = 300 or 600 ml / (Joint width [mm] × Joint depth [mm])
Litres / Metre run of joint = (joint width [mm] × joint depth [mm]) / 1000 [m × mm² / l]

Sag Flow < 1mm (23 °C) (ISO 7390)

Ambient Air Temperature +5 °C min. / +35 °C max. min. +3 °C above dew point temperature

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

Curing Rate ~2 mm/24 hours (+23 °C / 50 % r.h.) (CQP* 049-2)
* Sika Corporate Quality Procedure

Skin Time ~20 minutes (+23 °C / 50 % r.h.) (CQP 019-1)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and free from oils, grease, dust and loose or friable particles. Sikacryl® S adheres without primers and/or activators. For porous substrates, e.g. concrete, plaster and / or wood, Sikacryl® S can be dissolved in water (1:1 to 1:5 ratio) and used as a primer if necessary. 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

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

Masking

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing.

Application

Sikacryl® S is supplied ready to use. Prepare the end of the foil pack or cartridge, insert in-

to the sealant gun and fit the nozzle. Extrude Sikacryl® S into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.

Finishing

As soon as possible 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 TOOLS

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

FURTHER DOCUMENTS

- Pre-treatment Sealing and Bonding Chart

LIMITATIONS

- 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® S 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 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).
- Do not apply while it is raining.

BASIS OF PRODUCT DATA

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.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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 must 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Product Data Sheet

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