

Sikacryl® -S

1-part plastic acrylic sealant for internal low movement joints and interior and exterior crack filling

Product Description Sikacryl®-S is plastic one part sealant, based on an acrylic dispersion. Sikacryl®-S is non sag sealant designed for internal joints with low movement joints and interior and exterior crack filling (with no permanent water immersion).

uses

- For sealing of indoor connection joints with low movements in substrates such as concrete, aerated concrete, plaster, fibre cement, brick, 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 300 ml. 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 temperature between +10° C and +25° C. Sikacryl®-S must be protected from frost.

Technical Data

Chemical Base 1-part acrylic dispersion.

Density ~ 1.55 kg/l

Skimming 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 to +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 joint dimensions of max. 15 mm width, a width to depth ration of ~ 2 : 1 must be respected.

Width	10 mm	15 mm
Depth	10 mm	8 mm

For triangular joints the sides must be 7 mm minimum.

300 or 600 ml

Length of joint (m) =

Joint width (mm) x joint depth (mm)

Joint width (mm) x joint depth (mm)

Length/meter run of joint =

1000 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 are 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 Moisture Content	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 whist 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 / Limitation	Pre-test for overpaintability and paint compatibility are recommended. In case of over coating Sikacryl® -S the compatibility must be tested individually accorsding 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 are not recommended (movements during the curing). Don't use Sikacryl® -S as glass sealer, in floor joints, in sanitary joints, on marble, natural stones, civil engineering and joints with permanent water immersion. Do not use on bituminous substrates, natural rubber, chloropene, EPDM or on building materials which might bleed oils, plastisicers 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	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 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.



Sika Egypt for Construction Chemicals
 El About City
 1st industrial zone (A)
 Section # 10 Block 13035,
 Egypt

Tel :+202- 4481 0580
 Fax :+202- 4481 0459
 Mob :+2012- 2390 8822/55
 www.sika.com.eg

