

PRODUCT DATA SHEET

Sikacryl®-200

HIGH PERFORMANCE ACRYLIC SEALANT FOR INTERNAL AND EXTERNAL APPLICATIONS



DESCRIPTION

Sikacryl®-200 is a 1-part, acrylic, water-based joint sealant for joints with low movement and crack filling. It has a primerless application, good adhesion to various construction materials, rain resistant and is over-paintable. Movement capability $\pm 12,5\%$. Internal and external use.

USES

Sealing:

- Joints on many types of substrate with moderate movement
- Connections around window and door frames, PVC pipes
- Around wall and ceiling penetrations

Crack filling:

- Cracks not exposed to permanent water immersion

CHARACTERISTICS / ADVANTAGES

- 1-part ready to use
- Over-paintable
- Good adhesion on various substrates
- Transportable at -10 °C (max. 24 hours)
- Internal and external use
- Good sag flow
- Movement capability $\pm 12,5\%$
- Rain resistant

APPROVALS / CERTIFICATES

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

PRODUCT INFORMATION

Composition	1-part acrylic	
Packaging	300 ml cartridge: 12 cartridges per box	
Colour	White	
Shelf life	18 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 $+5\text{ °C}$ and $+25\text{ °C}$. Always refer to packaging.	
Density	$\sim 1,60\text{ kg/l}$	(ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	~ 35 (after 28 days)	(ISO 868)
Movement Capability	$\pm 12,5\%$	(ISO 11600)
Service Temperature	-25 °C to $+70\text{ °C}$ (dry)	

Joint Design

The joint dimensions must be designed to suit the movement capability of the sealant. The joint width must be ≥ 10 mm and ≤ 15 mm. A width to depth ratio of 2:1 must be maintained (for exceptions, see table below).

<u>Min. joint width [mm]</u>	<u>Min. joint depth [mm]</u>
10	10
15	10

Triangular joint profiles must have sides for bonding ≥ 7 mm.
For larger joints, contact Sika Technical Services for additional information.

Compatibility

Concrete, aerated concrete, plaster, fibre cement, brick, plasterboard, aluminium, PVC, wood

APPLICATION INFORMATION

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

Consumption calculation formula
Length of joint [m] = $280 \text{ ml} / (\text{Joint width [mm]} \times \text{Joint depth [mm]})$
Litres / Metre run of joint = $(\text{Joint width [mm]} \times \text{joint depth [mm]}) / 1000$
[m x mm² / l]
Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Sag Flow	< 1 mm (23 °C)	(ISO 7390)
Ambient Air Temperature	+5 °C to +30 °C, min. 3 °C above dew point temperature	
Substrate Temperature	+5 °C to +30 °C	
Curing Rate	~2 mm/24 hours (+23 °C / 50% r.h.)	(CQP* 049-2) *Sika Corporate Quality Procedure
Skimming time	~15 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®-200 adheres without primers and/or activators. For porous substrates, e.g. concrete, plaster and / or wood, Sikacryl®-200 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

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®-200 is supplied ready to use.

Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude Sikacryl®-200 into the joint or around the connection ensuring that it comes into full contact with the sides of the joint or connecting surfaces 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 EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened material can only be removed mechanically.

FURTHER INFORMATION

- Pre-treatment Sealing and Bonding Chart

IMPORTANT CONSIDERATIONS

- Although Sikacryl®-200 is rain resistant, do not apply

Sikacryl®-200 while it is raining.

- 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®-200 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).

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.

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