

# PRODUCT DATA SHEET

## Sikacryl®-200

PREMIUM ACRYLIC SEALANT FOR INDOOR AND OUTDOOR APPLICATIONS



### DESCRIPTION

Sikacryl®-200 is a 1-component, non-sag acrylic dispersion sealant with  $\pm 12.5\%$  movement capability and high rain resistance.

### USES

Sikacryl®-200 is designed for sealing connection joints with moderate movement in substrates such as concrete, aerated concrete, plaster, fiber cement, brick, plasterboards, aluminum, PVC and wood.

Sikacryl®-200 is designed for connection joints around windows, window sills, doors, PVC pipes, dry participation walls and ceilings.

Sikacryl®-200 is designed for interior and exterior crack filling (for cracks not under permanent water immersion).

### CHARACTERISTICS / ADVANTAGES

- Good application properties
- Solvent-free
- Over-paintable
- Good adhesion on various substrates
- Transportable at  $-10\text{ °C}$  (max. 24 hours)
- For interior and exterior use
- Good UV-resistance
- Rain resistant

### APPROVALS / STANDARDS

- EN 15651-1 F EXT-INT 12.5P

### PRODUCT INFORMATION

<b>Chemical Base</b>	1-Component acrylic dispersion
<b>Packaging</b>	300 ml cartridge, 12 cartridges per box
<b>Colour</b>	White
<b>Shelf Life</b>	Sikacryl®-200 has a shelf life of 24 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
<b>Storage Conditions</b>	Sikacryl®-200 shall be stored in dry conditions, protected from direct sunlight and frost, at temperatures between $+5\text{ °C}$ and $+25\text{ °C}$ .
<b>Density</b>	1.60 kg/l approx. (ISO 1183-1)

### TECHNICAL INFORMATION

<b>Shore A Hardness</b>	35 approx. (after 28 days) (ISO 868)
<b>Movement Capability</b>	$\pm 12.5\%$ (ISO 11600)

<b>Service Temperature</b>	-25 °C to +70 °C (dry)						
<b>Joint Design</b>	The joint width must be designed to suit the joint movement required and the movement capability of the sealant. The joint width shall be $\geq 10$ mm and $\leq 15$ mm. A width to depth ratio of 2:1 must be maintained (for exceptions see table below). <table border="1"> <thead> <tr> <th>Min. joint width [mm]</th> <th>Min. joint depth [mm]</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>10</td> </tr> <tr> <td>15</td> <td>10</td> </tr> </tbody> </table>	Min. joint width [mm]	Min. joint depth [mm]	10	10	15	10
Min. joint width [mm]	Min. joint depth [mm]						
10	10						
15	10						
For larger joints please contact our Technical Service Department.							

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Length of joint [m] = 300 or 600 ml / (Joint width [mm] x Joint depth [mm])</b> <b>Liters / Meter run of joint = (joint width [mm] x joint depth [mm]) / 1000</b> <b>[m x mm<sup>2</sup> / l]</b>		
	<b>Joint length [m] per</b>	<b>Joint width [mm]</b>	<b>Joint depth [mm]</b>
	<b>300 ml</b>		
	3.0	10	10
	2.0	15	10
Triangular joints (where the sides of the joint meet at a right angle) shall have sides $\geq 7$ mm.			
<b>Sag Flow</b>	< 1 mm (23 °C)		(ISO 7390)
<b>Ambient Air Temperature</b>	+5 °C to +30 °C, min. 3 °C above dew point temperature		
<b>Substrate Temperature</b>	+5 °C to +30 °C		
<b>Curing Rate</b>	2 mm/24 hours approx. (23 °C / 50% r.h.)		(CQP 049-2)
<b>Skin Time</b>	15 minutes approx. (23 °C / 50% r.h.)		(CQP 019-1)

## APPLICATION INSTRUCTIONS

For the application of Sikacryl®-200 all standard construction guidelines apply.

### SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, 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 be used as a primer if necessary.

On plastics and paints, adhesion tests must be performed prior to application. Iron and steel must be protected with an anti-corrosion primer.

### APPLICATION METHOD / TOOLS

Sikacryl®-200 is supplied ready to use.

After the necessary substrate preparation, insert a cartridge into the sealant gun and extrude Sikacryl®-200 into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Sikacryl®-200 sealant must be firmly tooled against the joint sides to ensure adequate adhesion.

It is recommended to use masking tape where exact joint lines or neat lines are required. Remove the tape within the skin time. Do not use tooling products containing solvents. Water can be used if wet-tooling is re-

quired.

### CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with water. Once cured, residual material can only be removed mechanically.

## FURTHER DOCUMENTS

- Safety Data Sheet
- Pre-treatment Chart Sealing and Bonding

## LIMITATIONS

- Sikacryl®-200 can be overpainted. 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).
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation (especially with the colour white). However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- Application during high temperature changes is not recommended (movements during the curing).
- Do not use Sikacryl®-200 as glass sealer, in floor joints, in sanitary joints, on marble, natural stones, and civil engineering.
- Do not use Sikacryl®-200 for joints under water

pressure or for permanent water immersion.

- Although Sikacryl®-200 is rain resistant, do not apply Sikacryl®-200 while it is raining.
- Do not use Sikacryl®-200 on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might bleed oils, plasticizers or solvents that could attack the sealant.

## 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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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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