

## PRODUCT DATA SHEET

# Sikacryl®-1000 Maximum Siliconized Sealant

High adhesion, elastic acrylic joint sealant

## DESCRIPTION

Sikacryl®-1000 Maximum is a 1-component, acrylic based, elastic joint sealant.

## USES

- For connection joints of composite panels
- Interior joints of prefabricated building elements with low movement
- Connections around window and door frames
- Gap and crack filling before painting

## FEATURES

- High adhesion on various substrates
- High elasticity
- 1-part ready to use
- Over-paintable

## CERTIFICATES AND TEST REPORTS

CE Marking and Declaration of Performance to EN15651-1 - Sealants for interior application

## PRODUCT INFORMATION

<b>Packaging</b>	350 g cartridge (24 cartridges per box) 460 g and 700 g foil packs (20 foil packs per box)
<b>Colour</b>	White, black, brown, gray, anthracite etc. For other colours please contact the local sales organisation.
<b>Shelf life</b>	18 months from date of production
<b>Storage conditions</b>	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.
<b>Density</b>	~1,19-1,17 kg/l

## TECHNICAL INFORMATION

<b>Shore A hardness</b>	~35 (after 28 days)
<b>Tensile strength</b>	0,4 N/mm <sup>2</sup>
<b>Joint design</b>	The joint dimensions must be designed to suit the movement capability of the sealant. The joint width must be $\geq 10$ mm and $\leq 20$ mm. A width to depth ratio of 2:1 must be maintained. Triangular joint profiles must have sides for bonding $\geq 7$ mm.
<b>Elongation at break</b>	~400 %

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Sikacryl®-1000 Maximum Siliconized Sealant

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## APPLICATION INFORMATION

Ambient air temperature	+5 °C to +30 °C, min. +3 °C above dew point temperature.
Skinning time	~55-70 minutes (+23 °C / 50 % r.h.)

### BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### FURTHER DOCUMENTATION

- Pre-treatment Sealing and Bonding Chart

### IMPORTANT CONSIDERATIONS

- 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®-1000 Maximum 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).

### ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

### APPLICATION INSTRUCTIONS

#### SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and free from oils, grease, dust and loose or friable particles. Sikacryl®-1000 Maximum adheres without primers and/or activators. 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-component ready to use

#### APPLICATION METHOD / TOOLS

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing. Sikacryl®-1000 Maximum is supplied ready to use. Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude Sikacryl®-1000 Maximum 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. 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

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

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## 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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