

PRODUCT DATA SHEET

Sikasil® Pro

MULTIPURPOSE SILICONE SEALANT

DESCRIPTION

Sikasil® Pro is an elastomeric one component acetic cure silicone sealant for connection joints between different substrates, ready to apply.

USES

Sikasil® Pro is a thixotropic sealant, suitable for sealing connection joints between non porous materials, like glass, aluminum and ceramic elements, namely :

- Door and window joints
- Joints in glass and glazed elements
- Bathroom and kitchen sealing
- Sealing of joints between non-oxidizable metals
- General sealing between non porous materials

CHARACTERISTICS / ADVANTAGES

- Flexible and resistant sealing
- With mold and mildew resistant elements
- Economical
- Good adhesion to the most common non porous construction materials
- Permanently elastic
- Good resistance to weathering and UV radiation
- Dust and dirt repellent

PRODUCT INFORMATION

Composition	Acetic cure silicone
Packaging	300 ml cartridges
Colour	White, clear
Shelf life	Sikasil® Pro has a shelf life of 18 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	Sikasil® Pro shall be stored in dry conditions, protected from direct sunlight and frost, at temperatures between +5 °C and +35 °C.
Density	0,94 kg/dm ³

TECHNICAL INFORMATION

Shore A Hardness	Aprox. 14 after 28 days (+23 °C / 50% r.h.)
Tensile Strength	0,9 -/+ 0,2 N/mm ² (+23 °C / 50% r.h.)
Modulus of Elasticity in Tension	Aprox. 0,17N/mm ² at 100% elongation (+23 °C / 50% r.h.)
Elongation at Break	> 600%

Service Temperature

Min.: -25 °C; Max.: +125 °C

Consumption

Width	10mm	15mm	20mm
Depth	5mm	8mm	10mm
m/280ml cart- ridge	Aprox. 4,8m	Aprox. 2,0m	Aprox. 1,2m

Curing Rate

Aprox. 2 – 3 mm/24 h (+23 °C / 50% r.h.)

Skinning time

Aprox. 15 – 20 min. (+23 °C / 50% r.h.)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. Sikasil® Pro adheres without primers and/or activators. However, for optimum adhesion and critical, high performance applications, such as on multi-story buildings, highly stressed joints, extreme weather exposure or water immersion, the following priming and/or pretreatment procedures shall be followed:

Aluminium, anodised aluminium, stainless steel, galvanised steel, powder coated metals or glazed tiles have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. Before sealing, allow a flash-off time of > 15 minutes (< 6 hours). Other metals, such as copper, brass and titanium-zinc, also have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. After the necessary flash-off time, use a brush to apply Sika® Primer-3 N and allow a further flash-off time of > 30 minutes (< 8 hours) before sealing the joints. PVC has to be cleaned and pre-treated using Sika® Primer-215 applied with a brush. Before sealing, allow a flash-off time of > 30 minutes (< 8 hours). Glass shall be cleaned with isopropyl alcohol before application.

Note: Primers are adhesion promoters. They are neither a substitute for the correct cleaning of a surface, nor do they improve the strength of the surface significantly.

For more detailed advice and instructions please contact our Technical Service Department.

APPLICATION METHOD / TOOLS

Sikasil® Pro is supplied ready to use. After the necessary substrate preparation, insert a suitable backing rod to the required depth and apply any primer if necessary. Insert a cartridge into the sealant gun and extrude Sikasil® Pro into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Sikasil® Pro 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.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with Sika® Remover-208 and/or Sika® Top-Clean T. Once cured, residual material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Do not use Sikasil® Pro on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might bleed oils, plasticizers or solvents that could attack the sealant.
- Do not use in totally confined spaces, Sikasil® Pro requires atmospheric moisture to cure.
- Sikasil® Pro is not recommended for porous substrates, such as concrete, stone, marble and granite. Bleeding can occur when Sikasil® Pro is used on these substrates.
- Sikasil® Pro is not recommended for use on submerged joints, joints where physical abuse or abrasion are likely to occur, structural glazing or insulated glazing, and food contact applications.
- Do not use Sikasil® AC for medical or pharmaceutical uses.
- Acetic acid released during the curing of Sikasil® AC can cause the corrosion of mirror silver and sensitive metals such as copper, brass and lead.
- Do not use Sikasil® AC on alkaline surfaces such as concrete, plaster and brick.

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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

Product Data Sheet

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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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