

PRODUCT DATA SHEET

Sikacryl® Professional

Universal acrylic sealant and filler

DESCRIPTION

Sikacryl® Professional is a universal acrylic sealant for sealing and connection joints with low compression and expansion strength. The universally applicable sealing and filling compound is suitable for sealing and filling of cracks and holes as well as a finishing filler in interior areas.

USES

- Suitable for filling cracks in concrete, aerated concrete, plaster, masonry and as a finishing filler
- For sealing connection joints with a low movement in concrete, plaster, fibre cement, brick, gypsum plasterboard, aluminium, rigid PVC, wood, etc.
- For connection joints around windows, window sills, doors, PVC pipes, dry walls, ceilings, etc.
- For interior applications.

FEATURES

- Good adhesion on various standard building substrates without primer
- Movement capability of 7.5 %
- Excellent workability
- Low shrinkage
- Easy to over-paint
- Odourless
- Solvent-free

CERTIFICATES AND TEST REPORTS

- CE marking and declaration of performance based on EN 15651-1 - Sealants for non-structural use in joints in buildings and pedestrian walkways — Part 1: Sealants for facade elements.
Classification F INT 7,5P
- DIN EN 13501-1 Class E
- EMICODE EC1PLUS, very low emission

PRODUCT INFORMATION

Composition	1-part acrylic dispersion
Packaging	300 ml cartridge, 12 cartridges per box
Colour	White
Shelf life	24 months
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +25 °C. Protect from direct sunlight and frost.
Density	~1.57 kg/l (ISO 1183-1)

TECHNICAL INFORMATION

Shore A hardness	~40 (28 days, + 23 °C / 50 % r. h.)	(ISO 868)
Movement capability	7.5 %	(DIN EN ISO 11600)
Service temperature	-25 °C to +70 °C (dry)	

APPLICATION INFORMATION

Consumption	Joint length / m per 300 ml	Joint width / mm	Joint depth / mm
	~3,0	10	10
	~2,0	15	10
	Joint width maximum 15 mm For triangular joints, an equal-sided design with at least 7 mm adhesive surface per side is to be carried out.		
Sag flow	Good		
Ambient air temperature	Minimum +5 °C Maximum +35 °C		
Substrate temperature	Minimum +5 °C Maximum +35 °C		
Substrate moisture content	Dry		
Curing rate	~2 mm / 24 h (+ 23 °C / 50 % r. h.)	(CQP* 049-2)	
Skinning time	~15 minutes (+ 23 °C / 50 % r. h.)	(CQP* 019-1)	

* Sika Corporate Quality Procedure

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.

IMPORTANT CONSIDERATIONS

We recommend to test overpaintability and colour compatibility before using the product. If Sikacryl® Professional is to be painted over, its compatibility must be tested according to DIN 52 452-4.

Do not apply on easily corroding substrates such as untreated steel, iron, etc.

Colour deviations could occur due to chemicals, high temperatures and UV radiation. A change in colour does not affect the technical or the protective performance of the product.

Application during large temperature changes is not recommended due to movement during drying.

Do not use Sikacryl® Professional as a glass sealant, in floor joints, sanitary joints, on marble, natural stone, as a movement joint in building construction and in joints permanently exposed to water.

Do not apply to damp substrates.

Do not use on Teflon, PE, PP, polystyrene, bituminous substrates or other substrates containing oil or plasticisers, e.g. EPDM, natural rubber or certain plastics. (or carry out pretests or contact your sales advisor)

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 joint sides must be load-bearing, solid, clean, dry, free of oil, grease and loose particles, cement slurries, paints, hydrophobing agents and and antigraffiti coatings.

Sikacryl® Professional adheres without primers and/or activators.

For porous substrates such as concrete, plaster and wood Sikacryl® Professional can be dissolved in water (ratio 1:1 to 1:4) 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.

APPLICATION METHOD / TOOLS

- Insert a closed cell, polyethylene foam backing rod (e.g. Sika® Rundschnur PE) to the required depth. In exceptional cases PE foils are allowed to be used.
- Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude Sikacryl® Professional 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.
- 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. Smooth out the joint with the smoothing tool and water within 8 minutes.
- Where clean lines are desired, masking tape should be used.
- Remove the tape while the sealant is still soft.
- Do not soak with water, this would delay the drying process.
- Fresh, uncured sealant can be wiped off with a wet cloth.

CLEANING OF EQUIPMENT

Clean all tools and equipment used for processing immediately after use with water.

Cured material can only be removed mechanically.

Hands/skin must be cleaned immediately with suitable cleaning cloths, e.g. Sika® PowerClean wipes or industrial hand cleaners and water.

Do not use solvents on the skin!

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.

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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