

## PRODUCT DATA SHEET

# Sikacryl® Universal Pro

### Universal acrylic sealant

#### DESCRIPTION

Sikacryl® Universal Pro is one-component universal acrylic sealant suitable for filling cracks and joints both indoors and outdoors (sheltered). It is a cost-effective plastic-elastic sealant, particularly suitable for non-moving (static) joints.

#### USES

- Sealing of low movement joints between various construction materials (wood, concrete, brick, e.t.c.)
- Filling cracks in walls and ceilings
- Sealing connection joints between windows, walls, doors, e.t.c.

#### FEATURES

- Over paintable
- Can be used on all porous surfaces such as brick, concrete, wood etc.
- Very easy to apply and clean
- Waterproof after curing
- Odourless
- Good application properties
- Good adhesion on various substrates
- Good UV-resistance
- Rain resistant

#### CERTIFICATES AND TEST REPORTS

EN-15651-1: F-EXT-INT, Class 7.5P

#### PRODUCT INFORMATION

<b>Composition</b>	1-component, acrylic dispersion	
<b>Packaging</b>	310 ml cartridges, 24 cartridges per box	
<b>Colour</b>	White	
<b>Shelf life</b>	15 months from date of production	
<b>Storage conditions</b>	Store properly in undamaged, original, sealed packaging, in dry conditions, protected from direct sunlight and frost, at temperatures between +5 °C and +25 °C.	
<b>Density</b>	1,62 ± 0,03 kg/lt approx.	(ASTM D 792)

#### TECHNICAL INFORMATION

<b>Shore A hardness</b>	40-70	
<b>Tensile strain at break</b>	≥100 %	(ASTM D 412)
<b>Movement capability</b>	± 7,5%	(ISO 11600)
<b>Service temperature</b>	-10 °C to +80 °C	

## Joint design

The joint width must be designed to suit the joint movement required and the movement capability of the sealant. The joint width shall be  $\geq 5$  mm and  $\leq 25$  mm. A width to depth ratio of 2:1 must be maintained (for exceptions see table below). For larger joints please contact our Technical Service Department.

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Length</b> of joint [m] = $310 \text{ ml} / (\text{Joint width [mm]} \times \text{Joint depth [mm]})$ <b>Liters / Meter</b> run of joint = $(\text{joint width [mm]} \times \text{joint depth [mm]}) / 1000$ [m x mm <sup>2</sup> / l]		
	<b>Joint length [m] per 310 ml</b>		<b>Joint width [mm]</b>
			<b>Joint depth [mm]</b>
	20,7	5	3
	6,2	10	5
	2,6	15	8
	1,6	20	10
	1	25	12
	Triangular joints (where the sides of the joint meet at a right angle) shall have sides $\geq 7$ mm.		
<b>Ambient air temperature</b>	+5 °C to +40 °C, min. 3 °C above dew point temperature		
<b>Curing rate</b>	2 mm/day (At +23 °C and 50% R.H.)		
<b>Tack free time</b>	50 ± 20 min	(ASTM C 679)	
	At +23 °C and 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.

## IMPORTANT CONSIDERATIONS

- Should not be used for sealing joints permanently exposed to water pressure, stagnant water or immersed to water.
- It should not be applied in case of risk of rain or frost.
- The product is not elastic; therefore it must not be used in expansion joints.
- It can be overpainted with paints that are sufficiently elastic. 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® Universal Pro as glass sealer, in floor joints, in sanitary joints, on marble, natural stones, and civil engineering.
- Do not use Sikacryl® Universal 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.

## 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.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The joints must be clean and free from dust, grease and rust. On porous surfaces such as concrete, stone, cement and plaster a primer (mixture of one part acrylic sealant and 4-5 parts of water) can be applied. 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® Universal Pro is supplied ready to use. After the necessary substrate preparation, insert a cartridge into the sealant gun and extrude Sikacryl® Universal Pro into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Sikacryl® Universal 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. Immediately after the application, smooth the sealant at once with wet finger or a wet tool.

### CLEANING OF EQUIPMENT

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

## 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 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.

**SIKA MANUFACTURING NIGERIA LIMITED**  
10,Western Industrial Avenue, Isheri  
Riverview Estate  
Lagos - Ibadan Expressway, Ogun State  
NIGERIA  
Web: [nga.sika.com](http://nga.sika.com)

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