

# Sikasil<sup>®</sup>-AP

## Neutral curing silicone sealant

**Product Description** Sikasil<sup>®</sup>-AP is a one part neutral curing multi purpose silicone sealant suitable for indoor and outdoor applications.

**Uses** Sikasil<sup>®</sup>-AP provides weatherproof joints between various substrates such as glass, metals, painted surfaces, wood, ceramic tiles, concrete.

**Characteristics / Advantages**

- Provides primerless adhesion to a wide range of substrates
- Very good UV and weathering resistance
- Low odour
- Non corrosive

### Product Data

#### Form

**Colours** White, Grey, Black, Transparent .

**Packaging** 300 ml cartridges, 12 cartridges per box

#### Storage

**Storage Conditions / Shelf Life** 12 months from date of production if stored in undamaged and unopened original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

### Technical Data

**Chemical Base** Neutral curing.

**Density** ~ 1.25 kg/l coloured (ISO 1183-1)  
~ 1.02 kg/l transparent (ISO 1183-1)

**Skinning Time** ~ 10 minutes (+23°C / 50% r.h.)

**Curing Rate** ~ 2 mm/24h (+23°C / 50% r.h.)

**Movement Capability** 20%

**Sag Flow** < 2 mm (ISO7390)

**Service Temperature** -40°C to +120°C

Construction



## Mechanical / Physical Properties

<b>Tensile Strength</b>	~ 1.7 N/mm <sup>2</sup> (+23°C / 50% r.h.)	Coloured	(ISO 8339)
	~ 1.2N/mm <sup>2</sup> (+23°C / 50% r.h.)	Transparent	(ISO 8339)
<b>Tear Strength</b>	~ 1.0 N/mm <sup>2</sup> (+23°C / 50% r.h.)		(ISO 34 method C)
<b>Shore A Hardness</b>	~ 25 (after 28 days)	Coloured	(ISO 868)
	~ 19 (after 28 days)	Transparent	(ISO 868)
<b>E-Modulus</b>	~ 0.5 N/mm <sup>2</sup> at 100% elongation (+23°C / 50% r.h.)	Coloured	(ISO 8339)
	~ 0.4 N/mm <sup>2</sup> at 100% elongation (+23°C / 50% r.h.)	Transparent	(ISO 8339)
<b>Elastic Recovery</b>	> 80% (+23°C / 50% r.h.)		(ISO 7389)

## System Information

### Application Details

#### Consumption

#### Joint Design:

The joint width must be designed to be within the movement capability of the sealant. In general the joint width must be > 6 mm and < 12 mm. The width to depth ratio of ~ 2 : 1 must be respected.

Joint width	6 mm	9 mm	12 mm
Joint depth	4 mm	5 mm	6 mm
Joint length / 300 ml	~ 12.5 m	~ 6.5 m	~ 4 m

#### Substrate Quality

Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Cement laitance must be removed.

#### Substrate Preparation / Priming

Refer to relevant primer recommendations.

### Application Conditions / Limitations

**Substrate Temperature** +5°C min. / +40°C max.

**Ambient Temperature** +5°C min. / +40°C max.

**Substrate Moisture Content** Substrate must be dry

### Application Instructions

#### Application Method / Tools

Sikasil®-AP is supplied ready to use.

After suitable joint and substrate preparation and priming if necessary and properly prepared substrate, the sealant is gunned into place and tooled within 5 minutes, using a spatula and suitable smoothing liquid.

Masking tape is then removed immediately.

Uncured material can be removed by using a suitable solvent or an approved sealant remover.

Cured material can only be removed mechanically.

#### Cleaning of Tools

Clean all tools and application equipment with Sika® TopClean-T / Colma Cleaner immediately after use. Hardened / cured material can only be mechanically removed.



<b>Notes on Application / Limitations</b>	<p>Do not use on bituminous substrates, natural rubber, chloropene, EPDM or on building materials which might bleed oils, plasticisers or solvents.</p> <p>Do not use in totally confined space because Sikasil®-AP requires atmospheric moisture to cure.</p> <p>Bleeding can occur on porous substrates such as concrete, marbles, granites and other natural stones.</p> <p>On sensitive substrates, specific pretesting must be carried out.</p> <p>Sikasil®-AP is not recommended for use in submerged joints or in joints where physical abuse or abrasion are likely to occur. It is also not recommended for structural glazing or insulated glazing and food contact applications.</p> <p>Sikasil®-AP is not suitable for medical or pharmaceutical uses.</p>
<b>Value Base</b>	<p>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.</p>
<b>Local Restrictions</b>	<p>Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Technical Data Sheet for the exact description of the application fields.</p>
<b>Health and Safety Information</b>	<p>For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.</p>
<b>Important Notification</b>	<p>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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>



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