

Sikasil®-AP

Neutral Curing Silicone Sealant

Product Description	Sikasil®-AP is a one part neutral curing multi purpose silicone sealant suitable for indoor and outdoor applications.		
Uses	Sikasil®-AP provides weatherproof joints between various substrates such as glass, metals, painted surfaces, wood and ceramic tiles.		
Characteristics / Advantages	<ul style="list-style-type: none"> ■ Provides primerless adhesion to a wide range of substrates. ■ Very good UV and weathering resistance ■ Low odour ■ Non corrosive 		
Product Data			
Form			
Colour	White, Grey, Black, Tranparent		
Packaging	300 ml cartridge, 12 cartridge 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		
Mechanical / Physical Properties			
Tensile Strength	~ 1.7 N/mm ² (+23°C / 50% r.h.) Coloured		(ISO 8339)
	~ 1.2 N/mm ² (+23°C / 50% r.h.) Transparent		(ISO 8339)
Tear Strength	~ 1.0 N/mm ² (+23°C / 50% r.h.)		(ISO 34 method C)
Shore A Hardness	~ 25 (after 28 days) Coloured		(ISO 868)
	~ 19 (after 28 days) Transparent		(ISO 868)
E-Modulus	~ 0.5 N/mm ² pada 100% elongation (+23°C / 50% r.h.) Coloured		(ISO 8339)
	~ 0.4 N/mm ² pada 100% elongation (+23°C / 50% r.h.) Tranpare nt		(ISO 8339)
Elastic Recovery	> 80% (+23°C / 50% r.h.)		(ISO 7389)



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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 ration 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

Substrate must be dry

Content**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.

Notes on Application / Limitations

Do not use on bituminous substrates, natural rubber, chloropene, EPDM or on building materials which might bleed oils, plasticisers or solvents.

Do not use in totally confined space because Sikasil®-AP requires atmospheric moisture to cure.

Bleeding can occur on porous substrates such as concrete, marbles, granites and other natural stones.

On sensitive substrates, specific pretesting must be carried out.

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.

Sikasil®-AP is not suitable for medical or pharmaceutical uses.

Value Base

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.

Local Restrictions

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.

Health and Safety Information

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.



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