

PRODUCT DATA SHEET

SikaSeal® Roof &Gutter

NEUTRAL CURING SILICONE SEALANT

DESCRIPTION

SikaSeal® Roof &Gutter is a one part neutral curing multi purpose silicone sealant suitable for indoor and outdoor applications.

USES

SikaSeal® Roof &Gutter is used as a general purpose sealant for joint sealing 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 INFORMATION

Composition	Neutral cure silicone	
Packaging	300 ml cartridge, 12 cartridges per box	
Colour	Transparent, Grey, White, Black	
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged sealed packing in dry conditions at temperature between +5°C and +25°C.	
Density	~ 1,25 kg/l Coloured	(ISO 1183-1)
	~ 1,10 kg/l Transparent	(ISO 1183-1)
Shore A Hardness	~ 25 (after 28 days) Coloured	(ISO 868)
	~ 19 (after 28 days) Transparent	(ISO 868)
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)
Secant Tensile Modulus	~ 0.5 N/mm ² at 100% elongation (+23°C / 50% r.h.) Coloured	(ISO 8339)
	~ 0.4 N/mm ² at 100% elongation (+23°C / 50% r.h.) Transparent	(ISO 8339)
Elastic Recovery	> 80% (+23°C / 50% r.h.)	(ISO 7389)
Tear Strength	~ 1.0 N/mm ² (+23°C / 50% r.h.)	(ISO 34 method C)
Movement Capability	± 20%	

Service Temperature	-40°C to +120°C													
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. A width to depth ratio of 2:1 must be maintained (for exceptions, see table below). <table> <tr> <th>Joint Width [mm]</th><th>Joint Depth [mm]</th><th>Joint Length [m] per 300ml cartridge</th></tr> <tr> <td>6</td><td>4</td><td>~ 12.5</td></tr> <tr> <td>9</td><td>5</td><td>~ 6.5</td></tr> <tr> <td>12</td><td>6</td><td>~ 4.0</td></tr> </table>		Joint Width [mm]	Joint Depth [mm]	Joint Length [m] per 300ml cartridge	6	4	~ 12.5	9	5	~ 6.5	12	6	~ 4.0
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Sag Flow	< 2 mm	(ISO 7390)												
Ambient Air Temperature	+5°C min. / +40°C max.													
Substrate Temperature	+5°C min. / +40°C max. min. 3°C above dew point temperature													
Curing Rate	~ 2 mm / day (+23°C / 50% r.h.)													
Skinning time	~ 10 min (+23°C / 50% r.h.)													

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

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

APPLICATION METHOD / TOOLS

Masking

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skin time after finishing. Joint Backing After the required substrate preparation, insert a suitable backing rod to the required depth.

Priming

Prime the joint surfaces as recommended in substrate preparation. Avoid excessive application of primer to avoid causing puddles at the base of the joint.

Application

SikaSeal® Roof &Gutter is supplied ready to use. Prepare the end of the cartridge, insert into the sealant gun and fit the nozzle. Extrude SikaSeal® Roof &Gutter into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.

Finishing

As soon as possible after application, SikaSeal® Roof &Gutter must be firmly tooled within 5 minutes against the joint sides to ensure adequate adhesion and a smooth finish. Masking tape is then removed immediately. Uncured material can be removed by using a suitable solvent or an approved sealant remover.

CLEANING OF EQUIPMENT

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

IMPORTANT CONSIDERATIONS

- Do not use on bituminous substrates, natural rubber, chloroprene, EPDM or on building materials which might bleed oils, plasticizers or solvents.
- Do not use in totally confined space because SikaSeal® Roof &Gutter 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.
- SikaSeal® Roof &Gutter 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.
- SikaSeal® Roof &Gutter is not suitable for medical or pharmaceutical uses.

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.

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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Product Data Sheet
SikaSeal® Roof &Gutter
March 2019, Version 01.01
020514030000000122

SikaSealRoofGutter-en-KR-(03-2019)-1-1.pdf