

PRODUCT DATA SHEET

SikaSeal®-129

Neutral silicone sealant with fungicide for sealing around bathrooms, kitchens, and tiles

DESCRIPTION

SikaSeal®-129 is a 1-component neutral silicone with fungicide for indoor applications such as bathrooms and kitchens where you need a silicone that matches the color of the tile grout. Suitable for use in hot and tropical climate conditions

USES

SikaSeal®-129 is used for sealing in the following areas:

- Wet rooms, sanitary facilities.
- Kitchens

It is used on many construction materials and substrates such as:

- Glass
- Aluminum
- Ceramic tiles

FEATURES

- Easy to use
- Non-sagging
- High elasticity and flexibility
- Resistance to mold growth

PRODUCT INFORMATION

Composition	Neutral silicone
Packaging	280 ml cartridges Refer to the current price list for available packaging variations.
Colour	White
Shelf life	12 months
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
Density	~ 1.50 kg/l

TECHNICAL INFORMATION

Shore A hardness	~40 (after 28 days)	(ISO 868)
Tensile strength	~ 1.00 MPa	(ISO 8339)
Service temperature	-40°C – +120 °C	
Elongation at break	~250%	(ISO 37)

APPLICATION INFORMATION

Sag flow	≤ 1 mm (20 mm profile at +23°C)	(ISO 7390)
Material temperature	Maximum +40 °C Minimum +5 °C	
Ambient air temperature	Maximum +40 °C Minimum +5 °C	
Substrate temperature	Maximum +40 °C Minimum +5 °C	
Curing rate	~3 mm per 24 hours	(CQP049-2)
Tack free time	~ 20 minutes	(CQP019-1)

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

- Unsuitable for curtain wall structural adhesive.
- Unsuitable for the airtight location, because it is required to absorb moisture in air to cure for the sealant.
- Unsuitable for the frosty or moist surface.
- Unsuitable for the continually soggy place.
- Can not be used if the temperature is below +4 °C or above +50 °C on the surface of the material.

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 QUALITY

The Product must not be used on the following substrates:

- Pre-stressed polyacrylate or polycarbonate
- Bitumen, natural rubber or EPDM

On the following substrates, the Product may exhibit

- poor adhesion:
- Polyethylene (PE)
- Polypropylene (PP)
- PTFE (Teflon®)

Perform a preliminary adhesion test on the above substrates before full application.

Contact Sika Technical Services for additional information

SUBSTRATE PREPARATION

Inadequate surface preparation

Note: Primers are adhesion promoters and not an alternative to improve poor preparation or cleaning of the joint surface. Primers also improve the long-term adhesion performance of the sealed joint.

Substrate testing

Note: Adhesion tests on project specific substrates must be performed and procedures agreed with all parties before full project application. For more detailed advice and instructions contact Sika Technical Services.

The substrate must be sound, clean, dry and free of contaminants such as dirt, oil, grease, cement laitance, sealant residues and poorly bonded coatings which could affect adhesion of the primer and sealant. The substrate must be of sufficient strength to cope with the stresses induced by the sealant during movement.

1. Use techniques such as wire brushing, grinding, grit blasting or other suitable mechanical tools to remove all weak substrate material.
2. Repair all damaged joint edges with suitable Sika repair products.
3. Remove all dust, loose and friable material from all surfaces before application of the sealant.

If tested or supported by experience, the Product can be used without primers or activators on many substrates.

NON-POROUS SUBSTRATES Aluminum, anodized aluminum, stainless steel, galvanized steel, powder coated metals, glazed tiles, or other metals, such as copper, brass and titanium-zinc.

1. Lightly roughen the surface with a fine abrasive pad.
2. Clean and pre-treat using Sika® Aktivator-205 with a clean cloth. Wait until the flash off time has been achieved.
3. Apply Sika® Primer-3 N by brush.

POROUS SUBSTRATES

Concrete, aerated concrete and cement based renders, mortars and bricks.

1. Prime surface using Sika® Primer-3 N applied by brush.

For more details of the primer or pre-treatment products refer to the individual Product Data Sheet. Contact Sika Technical Services for additional information.

APPLICATION

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

IMPORTANT

Absorbency of natural stone substrates

Staining from plasticiser migration may occur when used on natural stone such as granite, marble or limestone substrates.

Carry out preliminary trials before full project application.

Contact Sika Technical Services for further advice.

IMPORTANT Application in confined spaces Atmospheric moisture is required for the Product to cure.

1. Do not use in a totally confined space.

Preconditions

1. The flash-off time of the primer has been achieved. Apply masking tape where neat or exact joint lines are required.
2. After the required substrate preparation, insert a backing rod to the required depth.
3. Prime the joint surfaces as recommended in substrate preparation. Note Avoid excessive application of primer to avoid causing puddles at the base of the joint.
4. Open the seal on the top of the cartridge, or open the end of the foil pack. Fit the nozzle and cut it to the desired size. Insert the product into the caulking gun.
5. Apply the Product into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.
6. **IMPORTANT** Do not use tooling products containing solvents. As soon as possible after application, tool the sealant firmly against the joint sides to ensure adequate adhesion and a smooth finish. Use a compatible tooling agent such as Sika® Tooling Agent N to smooth the joint surface.
7. Remove the tape within the skinning time of the Product after finishing.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with Sika® Remover-208. Once cured, hardened material can only be removed mechanically. For cleaning skin use Sika® Cleaning Wipes-100.

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.

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Product Data Sheet

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