

PRODUCT DATA SHEET

SikaSeal® Super

Multipurpose Gap Sealant

DESCRIPTION

SikaSeal® Super is a one part sealant, designed with all the benefits of a gap sealant and silicone sealant in one.

USES

- For sealing small indoor connection joints in substrates such as brick, concrete, plaster, ceramics and timber.
- Small Indoor connection joints around windows, window sills, walls and ceilings etc
- Suitable for use in kitchens, as well as in most general interior small joint sealing and gap filling applications (with no permanent water immersion)

CHARACTERISTICS / ADVANTAGES

- Highly flexible
- Excellent adhesion properties
- Mould resistant
- Paintable* (Flexible paint coatings recommended)
- Solvent free, water based
- Easy to apply
- Water clean-up

**Due to the flexibility of SikaSeal® Super it is recommended to use a flexible paint coating. Rigid paint coatings may present cracking, crazing or alligatoring of the paint coating system as the substrates move and the sealant flexes.*

PRODUCT INFORMATION

| | | |
|---|---|------------|
| Composition | 1-part acrylic thixotropic paste | |
| Packaging | 300 ml cartridge, 12 cartridges per carton | |
| Shelf life | 24 months from date of production if stored according to the storage conditions. | |
| Storage conditions | The product must be stored in undamaged and unopened, original sealed containers, in cool and dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C. SikaSeal® Super must be protected from frost. | |
| Colour | White (Dries translucent) | |
| Density | 1.0 to 1.2 kg/L | |
| Shore A hardness | 45 to 60 (28 days, +23°C / 50% r.h.) | |
| Modulus of elasticity in tension | ~0.6 N/mm ² at 100% elongation (+23°C / 50% r.h.) | (ISO 8339) |
| Tensile strain at break | ≥350% | |
| Movement capability | ±20% | |
| Tensile adhesion strength | ~1.0 N/mm ² (+23°C / 50% r.h.) | (ISO 8339) |

| | | |
|---------------------|--|-------------------|
| Elastic recovery | > 90% (+23°C / 50% r.h.) | (ISO 7389) |
| Tear strength | ~2.0 N/mm ² (+23°C / 50% r.h.) | (DIN 24 method C) |
| Service temperature | Between -30°C and +80°C (maximum +40°C in water and temporarily +50°C) | |

APPLICATION INFORMATION

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|-------------------------|--|------|-------|------|
| Consumption | Joint Design and consumption: | | | |
| | For horizontal movement joints, the joint width to depth ratio must be designed to be within the movement capability of the sealant. | | | |
| | Joint Width | 5mm | 10mm | 15mm |
| | Joint Depth | 5mm | 8mm | 10mm |
| | Joint Length / 300ml | ~10m | ~3.5m | ~2m |
| Sag flow | ☐2 mm | | | |
| Ambient air temperature | +5°C min / +40°C max. | | | |
| Substrate temperature | +5°C min / +40°C max. | | | |
| Curing rate | ~3 mm / 24h (+23°C / 50% r.h.) | | | |
| Skinning time | ~15 minutes (+23°C / 50% r.h.) | | | |

BASIS OF PRODUCT DATA

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.

FURTHER INFORMATION

- Safet Data Sheet (SDS).

IMPORTANT CONSIDERATIONS

Limitations

- For horizontal gaps with little or no movement the maximum thickness should not exceed 15mm.
- Maximum vertical joint/gap and depth should not exceed 5mm.
- Do not use on easy corroding substrates such as blank steel, iron etc.
- Colour deviations may occur due to chemicals, high temperature, UV radiation. A change in colour is aesthetic only and does not effect the performance of SikaSeal® Super.
- Do not use SikaSeal® Super as glass sealer and in joints with permanent water immersion.
- Do not use on bituminous substrates, natural rubber, chloropene, EPDM or on building materials which might bleed oils, plasticisers or solvent.
- *Due to the flexibility of SikaSeal® Super it is recommended to use a flexible paint coating. Rigid paint coatings may present cracking, crazing or aligating of the paint coating system as the substrates move and the sealant flexes.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, stor-

age and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, old sealants and poorly bonded paint coatings which could affect adhesion of SikaSeal® Super. The substrate should be of sufficient strength to manage with the stresses induced by the sealant during movement. Removal techniques such as wire brushing, grinding, sanding or other suitable mechanical tools can be used. All dust, loose and friable material must be completely removed from all surfaces before application of SikaSeal® Super.

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.

Application: Prepare the end of the cartridge before or after inserting into the sealant gun then fit the nozzle. Extrude SikaSeal® Super 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, sealant must be firmly tooled against the joint sides to ensure adequate adhesion and a smooth finish. Use a compatible tooling agent (e.g. Sika® Tooling Agent N) to smooth the joint surface. Do not use tooling products containing solvents.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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

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