

PRODUCT DATA SHEET

SikaSeal® Construction Silicone

For general waterproofing, weatherproofing and gap sealing

PRODUCT DESCRIPTION

SikaSeal® Construction Silicone is a versatile, acetoxy-curing sealant that adheres to smooth, non-porous surfaces. The fungal resistant formulation ensures resistance to black mould growth in areas exposed to high humidity, making it ideal for kitchens, bathrooms and other sanitary environments. This low-modulus sealant offers excellent adhesion to glass, ceramics, timber, aluminium, and laminates, and is suitable for a wide range of interior and exterior applications.

USES

- Sealing around baths, showers, basins and other sanitary ware.
- As an adhesive for fixing PVCu trims, cladding and panels.
- Sealing around worktops and laminates.
- Sealing aluminium and metal.
- Pointing and draught proofing door frames.

- Cap sealing for aluminium, timber and PVCu window frames.
- For aluminium and plastic gutter sealing.
- General draughtproofing.

CHARACTERISTICS / ADVANTAGES

- Permanently flexible.
- Anti-fungal formula.
- Quick curing - low dirt pick up.
- Low viscosity for fast application.

APPROVALS / STANDARDS

Certified under the harmonized European (designated UK) standard EN 15651 for façade and sanitary applications in compliance with the Construction Product Regulations.

PRODUCT INFORMATION

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| Packaging | 295 ml Cartridge |
| Colour | Black, Brown, Translucent and White |
| Shelf Life | 24 months from date of manufacture |
| Storage Conditions | Store in cool dry conditions between +5 and +25 °C. |
| Density | ~0.95 g/cm ³ |

TECHNICAL INFORMATION

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|------------------------|---------------------------|
| Shore A Hardness | ~10 (ISO 868) |
| Secant Tensile Modulus | ~0.2MPa @ 60 % (ISO 8339) |
| Movement Capability | ±12.5 % (ISO 9047) |
| Service Temperature | -30 to +150 °C |

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|----------------------------|--|
| Joint Design | Minimum joint width 4mm |
| | Maximum joint width 25mm |
| | Joint ratio Maximum depth 50% of joint width |
| Elongation at break | >170 % (ISO 8339) |

APPLICATION INFORMATION

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|--------------------------------|--|
| Yield | 12 linear metres, 7 x 7 mm fillet joint |
| Ambient Air Temperature | +5 °C to +40 °C |
| Substrate Temperature | +5 °C to +40 °C |
| Curing Rate | 2 mm per 24 hours |
| Tooling Time | Smooth down within 10 minutes of application |

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.

LIMITATIONS

- Not for use in aquarium manufacture, use Aqua Mate sealant.
- Not for use in conjunction with bitumen or asphalt, use Weather Mate.
- Not for use on highly porous surfaces such as new concrete or stonework, use SikaSeal® Construction Silicone Ultra.
- Not for use on substrates that may bleed oils, solvent or plasticisers.
- Do not use in the vicinity of, or in conjunction with the edge sealant of double glazed units, use SikaSeal® Construction Silicone Ultra.
- When applying to uPVC, priming is recommended.
- Always carry out an adhesion test before using on uPVC.
- Do not use on soft metals such as lead and brass, use Lead Mate.
- SikaSeal® Construction Silicone is not overpaintable. For applications where overpainting is required, use Weather Mate.
- Do not use on cementitious substrates as it can react, use SikaSeal® Construction Silicone Ultra.

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.

SUBSTRATE PREPARATION

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Expanding Foam, or a joint backer rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility.

APPLICATION METHOD / TOOLS

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly at an angle of 45 ° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the gun trigger and keeping the gun at a constant angle to the surface being sealed. Smooth down within 15 minutes of application. To ensure a proper bond, always smooth the sealant down using a spatula or piece of wood wetted with a soap and water solution. An improved appearance can be achieved by placing masking tape to both sides of the joint and removing within 5 minutes of application.

CLEANING OF TOOLS

Uncured sealant - Sika® Wonder Wipes or white spirit
Cured sealant - Silicone Eater or mechanical means

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 Product Data Sheet for the exact description of the application fields.

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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