

PRODUCT DATA SHEET

EVERBUILD® EVERFLEX® 225 Industrial & Glazing Silicone

ACETOXY-CURE SILICONE SEALANT DESIGNED FOR GLAZING AND INDUSTRIAL APPLICATIONS

PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 225 Industrial & Glazing Silicone is a mid-modulus acetoxy-cure silicone sealant that adheres to most smooth and non-porous substrates. EVERBUILD® EVERFLEX® 225 Industrial & Glazing Silicone cures quickly to provide a permanently flexible, high-strength waterproof seal. Typically used for single-glazing, draught-proofing and general industrial use.

USES

- Sealing glass to glass.
- Sealing glass to aluminium and metal sealing.
- Butt and channel glazing.
- As an adhesive for fixing uPVC trims and cladding.
- Sealing around worktops and laminated panels.
- Cap glazing to metal, timber and uPVC window frames.
- For aluminium gutter sealing.
- Industrial uses, such as gasket sealing.
- Refrigeration and hygiene sealing.

CHARACTERISTICS / ADVANTAGES

- Permanently flexible.
- Quick curing - low dirt pick up.
- Temperature resistant to 200°C.
- Waterproof seal

Shrinkage	<10% (ISO10563)
Application temperature resistance	+5°C to + 30°C
Stress	0.3MPa at 100% elongation (DIN53504)

APPROVALS / STANDARDS

Certified under the harmonized European standard EN15651 for façade, glazing, cold climate and sanitary applications in compliance with the Construction Product Regulations.

PRODUCT INFORMATION

Packaging	295ml Cartridges
Colour	Black, Brushed Steel, White, Transparent
Shelf Life	24 months from date of manufacture
Storage Conditions	Store in cool dry conditions between + 5°C and 25°C
Density	ca. 1.0 g/cm ³

TECHNICAL INFORMATION

Shore A Hardness	15-25
Tensile Strength	1.2 MPa
Elongation at Break	>400% (ISO8339)
Movement Capability	20% (ISO9047)
Service Temperature	-40°C to +200°C
Joint Design	Minimum joint width: 4mm Maximum joint width: 25mm Joint ratio: Maximum depth 50% of joint width

APPLICATION INFORMATION

Yield	>10 linear metres 7 x 7mm fillet joint
Curing Time	≤4mm per 24 hours dependent on humidity and temperature
Skin Time	5 - 10 mins @ 20°C

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Glass, metal and aluminium should be cleaned with a proprietary solvent cleaner prior to application for optimum adhesion. Porous surfaces may require priming - a small area should be tested first.

APPLICATION METHOD / TOOLS

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Everflex® Expanding FILL AND FIX Foam, or Joint Backer Rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three-sided adhesion will impair flexibility.

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 10 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: white spirit. Cured sealant: EVERFLEX® SILICONE EATER.

LIMITATIONS

- Not for use in conjunction with bitumen or asphalt. Use WEATHERMATE®.
- Not for use on highly porous surfaces such as new concrete or stonework. Priming is advised or use SILICONE 450.
- 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 SILICONE 450.
- Do not use for perimeter pointing of uPVC. Use SILICONE HM60 or SILICONE 450.
- Do not use on soft metals such as lead or brass. Use LEADMATE® SEALANT.
- Do not use for aquarium manufacture. Use AQUAMATE® SEALANT.
- Non overpaintable. In applications where overpainting is required, use WEATHERMATE®.

VALUE BASE

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

Consult MSDS for full list of hazards

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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