

PRODUCT DATA SHEET

EVERBUILD® EVERFLEX® 500 Bath & Sanitary Silicone

A premium quality mid modulus acetoxy cure silicone sealant

PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 500 Bath & Sanitary Silicone is an acetoxy cure silicone sealant that cures quickly to provide a permanently flexible, high strength waterproof seal. Specifically designed for sanitary applications and for areas of high humidity. It contains a powerful fungicide to prevent mold growth.

USES

- All internal sealing in areas of high humidity or subject to condensation.
- Sealing around baths, showers, basins and sanitary-ware.
- Sealing around work tops and laminates.
- Cap sealing to metal, timber and PVCu window frames.
- As an adhesive for fixing PVCu trims and panels.
- General weatherproofing applications.

CHARACTERISTICS / ADVANTAGES

- Will not discolour on aging even in humid/damp conditions.
- Permanently flexible.
- Quick curing - low dirt pick up.
- Waterproof seal.
- Certified under the harmonized European standard EN15651 for façade, glazing, cold climate and sanitary applications in compliance with the Construction Product Regulation.

Shrinkage	≤10% ISO7390
Application Temperature	+5°C to +30°C
Resistance	
Stress	0.3 MPa at 100% elongation DIN53504
Cleaning	Uncured sealant white spirit; Cured sealant: EVERFLEX SILICONE EATER
Coverage	@ 10 linear metres 9 x 9mm fillet joint

APPROVALS / STANDARDS

Meets ISO11600 F and G 20LM.

PRODUCT INFORMATION

Packaging	295ml Cartridge
Colour	White, Translucent, Ivory, Sandstone & Manhattan Grey
Shelf Life	24 months from date of manufacture.
Storage Conditions	Store in cool dry conditions between + 5°C and 25°C.
Density	~1 g/cm ³ .

TECHNICAL INFORMATION

Shore A Hardness	10-20
Tensile Strength	1.2 MPa
Tensile Stress at Specified Elongation	0.3MPa at 100% elongation DIN53504
Elongation at Break	>500% DIN 53504
Movement Capability	+ or -20%
Service Temperature	-40°C to + 150°C
Joint Design	Joint Ratio - Maximum depth 50% of joint width Minimum Joint Width - 5mm Maximum Joint Width - 25mm

APPLICATION INFORMATION

Curing Time	3mm per 24 hours
Skin Time	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 Everbuild 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.

LIMITATIONS

- 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. 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.
- Non overpaintable. In applications where overpainting is required, use Weather Mate.

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 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.

EVERBUILD BUILDING PRODUCTS LTD

Site 41, Knowsthorpe Way
Cross Green Industrial Estate
Leeds, LS9 0SW
Tel: 0113 240 3456
Web: www.everbuild.co.uk
Twitter: @everbuild

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



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