

PRODUCT DATA SHEET

EVERBUILD® EVERFLEX® 335 Construction Silicone

TRADE QUALITY, LOW MODULUS CONSTRUCTION SILICONE

PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 335 Construction Silicone is a low modulus, reactive curing silicone sealant that cures quickly to reduce dirt pick up. It remains permanently flexible, forming a weather tight rubber-like seal.

USES

- Sealing around PVCu profile, trim and cladding.
- Perimeter pointing to PVCu, timber and metal window and door frames.*
- Weathersealing to pre-formed panels and form-work.
- Glass to glass and glass to aluminium weathersealing.
- Cap glazing and remedial glazing sealing.
- General draughtproofing.

CHARACTERISTICS / ADVANTAGES

- Faster curing than conventional low mod sealants.
- Extremely low dirt pick up.
- Flexible - movement accommodation of +/- 20%.
- Waterproof seal
- Contains a powerful anti fungal compound to prevent mould growth.

Tensile Modulus @ 100% Elongation	0.25 Mpas ASTM D412 (die C)
Tensile Adhesion Modulus At 100% Elongation	0.38 MPa ISO 8339 (glass substrates)
Tensile Adhesion Strength At Break	0.55 Mpas ISO 8339 (glass substrates)
Tensile Elongation At Break	200 % ISO 8339 (glass substrates)
Peel Adhesion Strength	6 KN/m ASTM C 794
Volume Shrinkage	8% ISO 10563

APPROVALS / STANDARDS

Certified under the harmonized European standard EN15651 for façade, glazing, cold climate and sanitary applications in compliance with the Construction Product Regulation.
Meets ISO11600 F and G 20LM

PRODUCT INFORMATION

Chemical Base	Silicone
Packaging	295ml cartridge
Colour	White, Translucent, Brown, Bronze, Black, Grey, Toffee
Shelf Life	24 months from date of manufacture if stored correctly in unopened packaging
Storage Conditions	Store in cool dry conditions between +5°C and 25°C

Density	~ 1 g/cm ³
Shore A Hardness	15 (ASTM D2240)
Tensile Strength	1.5 Mpa ASTM D412 (die C)
Elongation at Break	600% ASTM D412 (die C)
Service Temperature	-40 to + 150°C
Sag Flow	<2 mm ISO7390
Tack Free Time	30 mins
Tooling Time	10 mins
Application Time	250 g/minute (3.2mm orifice 6.3 bar pressure)

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. Improve adhesion by wiping surface with EVERFLEX PVC SOLVENT CLEANER (pvc) EVERFLEX GLASS CLEANER (glass) or white spirits (painted surfaces). Priming is generally not required, although we always advise testing small areas prior to use.

APPLICATION METHOD / TOOLS

Joint design should be as follows:

Minimum width: 6mm. Movement capacity will be impaired if the depth of the joint is greater than the width. For maximum movement accommodation, it is recommended that:

The joint depth should be no less than 5mm

Joint depth should be 5mm for joints up to 10mm wide

Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints

For deep joints, reduce depth by using EVERBUILD FIX AND FILL FOAM or a suitable joint backer rod.

All joints should be designed so that the seal is placed in a position which does not retain water or form a water trap. Triangular fillets should be no less than 12mm across the face and should be finished with a flat or convex face.

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut 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 trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood wetted with linseed oil or white spirits. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

LIMITATIONS

- Not for use in conjunction with bitumen or asphalt. Use WEATHER MATE.
- Do not use on lead or soft metals. Use LEAD MATE SEALANT.
- On highly porous surfaces such as new concrete, 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.
- Use on uPVC and plastic components: Due to the wide variety and quality of these materials, the user must always carry out an adhesion test prior to use. For optimum adhesion, use SILICONE HM60 or SILICONE 450. Thermal movement of PVC-u frames can be excessive. This product accommodates movement of +/- 20% of the joint width. For a higher movement factor use SILICONE HM60 or SILICONE 450. When perimeter pointing to G.G.F standards, use only SILICONE 450 neutral cure.
- Overpainting is not possible, so on applications where overpainting is required, use WEATHER MATE (external only) or MIRROR MATE (internal or external use).

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.

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