

PRODUCT DATA SHEET

EVERBUILD® EVERFLEX® 565 Clean Room Silicone

A neutral curing hygienic sealant with Mould Shield antibacterial protection

PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 565 Clean Room Silicone is a low modulus, neutral cure, odourless silicone sealant that adheres to a wide range of both porous and non-porous surfaces.

USES

- Food preparation areas and refrigeration units.
- Medical and sterile areas.
- Hospital, Pharmaceutical and laboratory clean room environments.
- Perimeter pointing internally and externally of uPVC, Wood and powder coated window frames.
- Weather sealing and joint sealing to preformed panels and curtain walling and draught proofing.
- Parapet and roof sealing applications.
- Sanitary applications.

CHARACTERISTICS / ADVANTAGES

- Mould Resistant for up to 10 years (simulated age testing for internal use) AATCC 30 part 3 with Mould Shield.

- Bacterial resistance for up to 10 years (simulated age testing for internal use) ISO22196.
- Excellent tooling and slow skinning properties for industrial/large scale applications.
- Excellent adhesion properties to most surfaces including glass, metal, plastics, wood (painted/unpainted) uPVC and Polycarbonate.
- High viscosity non-slump formula.
- Excellent external weathering properties.
- Resistant to fumed hydrogen peroxide and formaldehyde.
- Shrinkage to ISO 10563: <5%

APPROVALS / STANDARDS

- Tested and approved to 21CFR177.2600 by IANESCO (France), food preparation area certification.
- Conforms to the requirements of ISO 11600 F25LM.
- Bacterial resistance determined by ISO22196:2011.
- Certified under the harmonized European standard EN15651 for façade, cold climate and sanitary applications in compliance with the Construction Product Regulation.

PRODUCT INFORMATION

Packaging	295ml cartridges
Colour	White
Shelf Life	12 months from date of manufacture.
Storage Conditions	Store in cool dry conditions between + 5°C and 25°C.
Density	1.33 - 1.37 g/cm ³

TECHNICAL INFORMATION

Shore A Hardness	20-30 (IHT RD15)
Tensile Strength	At break: 0.5Mpa (ISO 8339)
Tensile Stress at Specified Elongation	Tensile Modulus at 100% Elongation to ISO8339: ~0.3Mpa
Elongation at Break	>250% (to ISO 8339)
Elastic Recovery	>80% (to ISO 7389)
Service Temperature	-50°C to + 150°C
Joint Design	Maximum Joint Width: 50mm Joint Ratio: Max depth 50% of joint width

APPLICATION INFORMATION

Consumption	ca. 10.5 linear metres 6mm diameter bead.
Ambient Air Temperature	+5°C to + 40°C
Curing Time	mm/1 day approx 2 mm/3 day approx 6 mm/7 day approx 9 (IHT S8)
Skin Time	30-45 mins

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. EVERBUILD® EVERFLEX® 565 Clean Room Silicone does not require priming on most surfaces however adhesion tests are recommended prior to full scale application. Where priming is required use Everbuild P1 primer for porous surfaces and NP2 primer for Non-Porous.

APPLICATION METHOD / TOOLS

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Everbuild Fix & Fill Expanding 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 30 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 - Everbuild White Spirit.
Cured sealant - Everflex Silicone Eater.

LIMITATIONS

- Not for use in conjunction with bitumen or asphalt. Use Weather Mate®.
- Do not use for aquarium manufacture, use Aqua Mate®.
- Not for use on substrates that may bleed oils, solvent or plasticisers.
- Not overpaintable.
- Not for use in swimming pool areas.
- It is the user's responsibility to determine suitability for use. If in doubt contact Everbuild Technical Services.

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

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.

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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