

EVERFLEX SILICONE 335 CONSTRUCTION

DESCRIPTION

EVERFLEX SILICONE 335 CONSTRUCTION is a low modulus, reactive curing silicone sealant that cures quickly to reduce dirt pick up. It remains permanently flexible, forming a weathertight rubber-like seal. It conforms to the performance requirements of BS 5889.

BENEFITS

- * Faster curing than conventional low mod sealants.
- * Extremely low dirt pick up.
- * Flexible - movement accommodation of +/- 35%.
- * Waterproof seal

AREAS FOR USE

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

LIMITATIONS

- Not for use in conjunction with bitumen, or asphalt. Use WEATHERMATE SILICONE
- Do not use on lead or soft metals. Use LEAD MATE SILICONE.
- 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 600 or SILICONE 450. Thermal movement of PVC-u frames can be excessive. This product accommodates movement of +/- 35% of the joint width. For a higher movement factor use SILICONE 600 or SILICONE 450. When perimeter pointing to G.G.F standards, use only SILICONE 450 neutral cure.
- Overpainting is not possible, so on internal applications where overpainting is required, use WEATHER MATE isoacrylic sealant.

SURFACE 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

The surfaces to be must be clean, dry and free from dust, grease and other contaminants. 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.

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:

- 1/ The joint depth should be no less than 5mm
- 2/ Joint depth should be 5mm for joints up to 10mm wide
- 3/ 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 EVERFLEX 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

SPECIFIC DATA

Movement accommodation:	+ or -35%
Skinning time:	10 mins @ 20°C
Cure time:	4mm per 24 hours
Hardness Shore A:	15-22
Shrinkage:	<5%
Service temperature resistance:	-50°C to + 180°C
Application temperature	+5°C to + 40°C
Tensile Strength	2.1 MPa
Stress	-
Specific gravity:	1.02
Cleaning:	Uncured sealant white spirit; Cured sealant: EVERFLEX SILICONE EATER
Minimum joint width:	5mm
Maximum joint width:	30mm
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres 9 x 9mm fillet joint
Elongation at break:	800%

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Irritating to skin and eyes. If contact occurs wash thoroughly with water. Acetic acid is evolved during cure. Keep out of reach of children

STORAGE

Store in cool dry conditions between + 5°C and 25°C.

SHELF LIFE

Use within 18 months.

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Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: 335 CONSTRUCTION SILICONE - ALL COLOURS

Product code: 335WE/TR/BN/BK/BZ/GY

Use / description of product: Irritant.

Company name: EVERBUILD BUILDING PRODUCTS LTD

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: METHYL TRIACETOXY SILANE 1-10%

EINECS: 224-221-9 CAS: 4253-34-3

[-] R14; [C] R34

- OCTAMETHYLCYCLOTETRASILOXANE 1-10%

EINECS: 209-136-7 CAS: 556-67-2

[-] R53; [Xn] R62

- DISTILLATES, PETROLEUM, HYDROTREATED, MIDDLE 10-30%

CAS: 64742-46-7

[Xn] R65

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Occupational exposure limits**

TWA (8 hr exposure limit): 10ppm (acetic acid) (OES)

STEL (15 min exposure limit): 15ppm (acetic acid) (OES)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141). must be worn if vapour concentration is above OES or if ventilation is poor

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: Various

Odour: Irritating odour which may affect the eyes and respiratory system

Evaporation rate: Moderate

Solubility in water: Insoluble

Also soluble in: Most organic solvents.

Viscosity: Highly viscous

Boiling point/range°C: N/D

Flash point°C: >70

Relative density: 1.00

pH: N/A

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Moist air. Humidity.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: OCTAMETHYLCYCLOTETRASILOXANE

ORL RAT LD50 1540 mg/kg

SKN RBT LD50 794 µl/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of according to local or national legislation

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -

Shipping name: "NOT SUBJECT TO ADR"

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36/38: Irritating to eyes and skin.

Safety phrases: S2: Keep out of the reach of children.

S7: Keep container tightly closed.

S23: Do not breathe vapour.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical

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advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S46: If swallowed, seek medical advice immediately and show this container or label.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R14: Reacts violently with water.

R34: Causes burns.

R53: May cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

R65: Harmful: may cause lung damage if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.