

EVERFLEX SILICONE 700T

DESCRIPTION

EVERFLEX SILICONE 700 is a cost effective low modulus, oxime cure RTV silicone sealant that adheres to a wide range of both porous and non porous surfaces without the need for priming. Conforms to BS5889 Type A, except clause 9. SILICONE 700T is formulated as a high viscosity grade to give excellent tooling properties

BENEFITS

- Excellent adhesion - adheres to most common surfaces including glass, metals, plastics and wood
- Low dirt pick up - important in PVCu work
- Excellent flexibility - +/- 50%.
- Excellent external weathering properties.
- Suitable for use on polycarbonate.

AREAS FOR USE

- Perimeter pointing internally and externally around PVCu /wood and all other window frames.
- Sealing and as an adhesive onto PVCu, plastic trims and components.
- Suitable as an expansion joint sealant.
- Weather sealing and joint sealing to pre-formed panels.
- Sealing soft metals such as lead, copper and zinc.
- General glazing sealing and draughtproofing, including repair work over existing sealant.
- Glass to glass and glass to aluminium sealing.
- Parapet and roof weather sealing applications.

LIMITATIONS

- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- Do not use in the manufacture of Aquariums. Use AQUA MATE
- Do not use on substrates that bleed oil, solvents or plasticisers.
- Non overpaintable. Use WEATHER MATE SILICONE
- Not suitable for bedding I. G Units – Use Silicone 450

SURFACE PREPARATION

The surfaces to be must be clean, dry and free from dust, grease and other contaminants. As quality of plastics can vary, always cary out adhesion tests prior to large scale use. 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. 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 -50%
Skinning time:	5 - 20 mins.
Cure time:	2 mm per 24 hours
Hardness Shore A:	20 approx
Shrinkage:	>10%
Service temperature resistance:	-50`C to + 120`C
Application temperature resistance:	+5`C to + 40`C
Tensile Strength	1.5MPa
Specific gravity:	1.0
Cleaning:	Uncured sealant white spirit, cured sealant EVERFLEX SILICONE EATER.
Minimum joint width:	5mm
Viscosity (bfld, S70, 10rpm)	150,000 – 300,000 cps
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres 9 x 9mm fillet joint
Elongation at break:	500-600%

HEALTH AND SAFETY

2- Butanone oxime (MEKO) is released on cure

	<p>Everflex Silicone 700T Contains: 2-Butanone-oxime.</p> <hr/> <p>Irritating to eyes. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Keep out of the reach of children. Wear suitable protective clothing and gloves and eye / face protection. If swallowed, seek medical advice immediately and show this container or label. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p>
HARMFUL	

STORAGE

Store in original unopened containers between 15 and 30°C

SHELF LIFE

12 months from date of manufacture



SAFETY DATA SHEET
SILICONE 700T - ALL COLOURS

Page 1
Issued: 17/05/2006
Revision No: 1

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

Product name: SILICONE 700T - ALL COLOURS
Product code: 700T
Company name: EVERBUILD BUILDING PRODUCTS LTD
SITE 41, KNOWSTHORPE WAY
CROSS GREEN INDUSTRIAL ESTATE
LEEDS
WEST YORKSHIRE
LS90SW
ENGLAND
Tel: 0044 113 240 3456
Fax: 0044 113 240 0024

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 2-BUTANONE OXIME 1-10%
EINECS: 202-496-6 CAS: 96-29-7
[Xn] R21; [Xn] R40; [Xi] R41; [Sens.] R43

- MOS (METHYL TRIS (METHYL ETHYL KETOXIMO) SILANE) 1-10%
EINECS: 245-336-4 CAS: 22984-54-9
[Sens.] R43; [Xi] R36/38
- VOS (BUTANONE OXIME VINYL SILANE) <1%
EINECS: 218-747-8 CAS: 22224-33-1
[Xi] R41; [Sens.] R43; [Xi] R36/38
- DISTILLATES, PETROLEUM, HYDROTREATED, MIDDLE 10-30%
CAS: 64742-46-7
[Xn] R65

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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.

[cont...]

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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: Pungent

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Reacts with water.

Also soluble in: Most organic solvents.

Viscosity: Highly viscous

Flash point°C: >100`c

Relative density: 0.97-1.03

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: 2-BUTANONE OXIME
ORL MUS LD50 1 gm/kg
ORL RAT LD50 930 mg/kg
SCU RAT LD50 2702 mg/kg

Chronic toxicity: May cause sensitisation by skin contact.

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

12. ECOLOGICAL INFORMATION

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of according to local or national legislation
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
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 CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R36: Irritating to eyes.
 R40: Limited evidence of a carcinogenic effect.
 R43: May cause sensitisation by skin contact.

Safety phrases: S2: Keep out of the reach of children.
 S36/37: Wear suitable protective clothing and gloves.
 S46: If swallowed, seek medical advice immediately and show this container or label.
 S25: Avoid contact with eyes.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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: R21: Harmful in contact with skin.
 R40: Limited evidence of a carcinogenic effect.
 R41: Risk of serious damage to eyes.
 R43: May cause sensitisation by skin contact.
 R36/38: Irritating to eyes and skin.
 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.