

EVERFLEX SILICONE 700T



Colour	Product Code	Pack Size	Box Qty
White	700TWE	C3	25
	FP700TWE6	600ml	12
Translucent	700TTR	C3	25
	FP700TTR6	600ml	12
Black	B700TK	C3	25
Brown	700TBN	C3	25
Bronze	700TBZ	C3	25
Caramel	700TCA	C3	25
Mahogany	700TMAH	C3	25

Product Description

EVERFLEX SILICONE 700 is a cost effective low modulus, Neutral, oxime cure RTV silicone sealant that adheres to a wide range of both porous and non porous surfaces without the need for priming. SILICONE 700T is formulated to resist mould and bacterial attack and 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 external weathering properties.
- Suitable for use on polycarbonate.
- Certified under the harmonized European standard EN15651 for façade, cold climate and sanitary applications in compliance with the Construction Product Regulation

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 draughtproofing, including repair work over existing sealant.
- 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
- 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 carry out adhesion tests prior to large scale use.

Improve adhesion by wiping surface with EVERFLEX PVC SOLVENT CLEANER (pvc) or white spirits (painted surfaces). Priming is generally not required, although we always advise testing small areas prior to use. Prime with Everbuild Silicone Primer P1 for porous and NP2 for non-porous substrates if priming is to be conducted.

Joint design should be as follows:

Minimum width: 5mm. 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.

Application

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 -12.5%
Skinning Time	5 - 20 mins.
Cure Time	2 mm per 24 hours
Hardness Shore A	20 approx
Shrinkage	<20% ISO10563
Service Temperature Resistance	-50°C to + 120°C
Application Temperature Resistance	+5°C to + 40°C
Tensile Strength	1.5MPa
Specific Gravity	1.2-1.4
Cleaning	Uncured sealant , white spirit, Cured sealant, EVERFLEX SILICONE EATER.
Joint Ratio	5mm
Viscosity (bfld, S70, 10rpm)	200,000 – 380,000 cps
Joint ratio	Maximum depth 50% of joint width
Coverage	10 linear meters @ 9 x 9mm fillet joint
Elongation at break	>300% ISO8339

Health & Safety

Consult MSDS for full list of hazards

Storage

Store in original unopened containers between 15 and 30°C

Shelf Life

18 months from date of manufacture

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