

EVERFLEX HEATMATE SILICONE

DESCRIPTION

EVERFLEX HEATMATE SILICONE is a high modulus, reactive curing silicone sealant specifically designed for high temperature applications. HEATMATE 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 Type B.

BENEFITS

- *Excellent temperature resistance: remains flexible from -50 - +300°C
- * Extremely low dirt pick up. – 1 hour tack free.
- * Orange/red colour – for easy installation identification.
- * Excellent adhesion to non-porous surfaces.
- * Waterproof seal

AREAS FOR USE

- Multitude of Industrial uses
- As a gasket sealant.
- For joints and assemblies, which must be resistant to high temperatures in ducting, metal chimneys, industrial/domestic ovens, heating appliances.

LIMITATIONS

- Do not use on porous surfaces such as brick, concrete and stone.
- Do not use in conjunction with bitumen, lead or Asphalt.
- Not for use on substrates that may bleed oils, solvent or plasticisers.
- Do not use on soft metals such as lead or brass.
- On temperatures above 285°C, slight discolouration may occur, but the joint will maintain its integrity.
- Do not use above 300°C.

SURFACE PREPARATION

All surfaces must be clean, dry and dust and grease/oil free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application.

APPLICATION

The surfaces to be must be clean, dry and free from dust, grease and other contaminants. Improve adhesion by wiping surface with white spirits. 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

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 -20%
Skinning time:	5 mins @ 20°C
Cure time:	3mm per 24 hours
Hardness Shore A:	23
Shrinkage:	<5%
Service temperature resistance:	-50°C to + 300°C
Application temperature	+5°C to + 40°C
Tensile Strength	1.0 MPa
Stress	0.3 MPa
Specific gravity:	1.04
Cleaning:	Uncured sealant white spirit; Cured sealant: EVERFLEX SILICONE EATER
Minimum joint width:	6mm
Maximum joint width:	30mm
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres 9 x 9mm fillet joint
Colour	Red/orange

HEALTH AND SAFETY

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

STORAGE

TECHNICAL DATA SHEET NO: 715
PAGE: 4 Of 4

VERSION: 2/1ST FEB 1999
PRINT DATE: 9/16/2004

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

SHELF LIFE

Use within 12 months.