

STERLING RTV SILICONE

Product Description

STERLING RTV SILICONE is an acetoxycure silicone sealant that cures quickly to provide a permanently flexible, high strength waterproof seal. Specifically designed for most glazing and industrial applications.

Benefits

- Permanently flexible.
- Quick curing - low dirt pick up.
- Temperature resistant to 200°C.
- Waterproof seal

Areas For Use

- Sealing glass to glass.
- Sealing glass to aluminium and metal sealing.
- Butt and Channel glazing.
- As an adhesive for fixing PVCu trims and cladding.
- Sealing around worktops and laminated panels.
- Cap glazing to metal, timber and PVCu window frames.
- For aluminium gutter sealing.
- Industrial uses, such as a gasket sealing.
- Refrigeration and hygiene seal.

Limitations

- Not for use in conjunction with bitumen or asphalt.
- Not for use on highly porous surfaces such as new concrete or stonework. Priming is advised or neutral silicone.
- 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 neutral cure silicone.
- Do not use for perimeter pointing of uPVC. Use a good neutral cure silicone.
- Do not use on soft metals such as lead or brass. Use a neutral cure silicone.
- Do not use for aquarium manufacture.
- Non overpaintable. In applications where overpainting is required.

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

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using 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 10 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.

Specific Data

Movement accommodation	+ or -25%
Skinning time	5 mins @ 20°C
Cure time	4mm per 24 hours
Hardness Shore A	15-25
Shrinkage	4%
Service temperature resistance	-40°C to + 200°C
Application temperature resistance	+5°C to + 30°C
Tensile Strength	1.2 MPa
Stress	0.3MPa at 100% elongation
Specific gravity	1.02
Cleaning	Uncured sealant: white spirit; Cured sealant: SILICONE EATER
Minimum joint width:	4mm
Maximum joint width	25mm
Joint ratio	Maximum depth 50% of joint width
Coverage	@ 10 linear metres 9 x 9mm fillet joint
Elongation at break	400%

Health & Safety

Consult MSDS for full list of hazards

Storage

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

Shelf Life

Use within 12 months.