



## **KLM SILICONE SEALANT**

### **DESCRIPTION.**

Kingfisher KLM 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, it conforms fully to the requirements of BS5889, Type B.

### **ADVANTAGES.**

- 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 gutters sealing
- Industrial uses, such as 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 use neutral cure silicone.
- Not for use on substrates that may bleed oils, solvents or plasticisers
- Do not use in the vicinity of, or in conjunction with the edge sealant of double glazed units. Use a neutral cure silicone.
- Do not use for perimeter pointing of UPVC.
- Do not use on soft metals such as lead or brass. Use lead sealant.
- Do not use for aquarium manufacture.
- Not overpaintable.

### **SURFACE PROTECTION.**

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 an 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 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 sealant down using a spatula or piece of wood wetted with 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:	Plus or minus 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:	0.3 MPa at 100% elongation
Specific gravity:	1.02
Cleaning:	Uncured sealant – white spirit Cured sealant – silicone eater
Minimum joint width:	4 mm
Maximum joint width:	25 mm
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres – 9 x 9 mm fillet joint
Elongation at break:	400%

### **STORAGE / SHELF LIFE.**

Store in cool dry conditions between +5°C and 25°C. Use within 18 months.

### **HEALTH & SAFETY.**

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

For further Health and Safety information on this product please refer to the Kingfisher Safety Data Sheet, copies of which are available from the Kingfisher Technical Dept. . Tel. 01229 869100 or Fax 01229 868101.

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