



## **K-Z NEUTRAL CURE SILICONE**

### **DESCRIPTION.**

**Kingfisher K-Z Neutral Cure Silicone** is a low modulus, neutral cure RTV silicone sealant that adheres to a wide range of both porous and non porous surfaces without the need for priming. Conforms fully to ISO 11600 and G 25 LM, BS5889 Type A; DIN 18540 and DIN 18545 E.

### **ADVANTAGES.**

**Kingfisher K-Z Neutral Cure Silicone** has many benefits, including

- Excellent adhesion – adheres to most common surfaces including glass, plastics and wood.
- Low dirt pick up – important in PVCu work.
- Excellent flexibility +/-50%.
- High resistance to plasticiser migration – may be used over water based and solvent based paints.
- 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.
- As a sealant and an adhesive onto PVCu plastic trims and components.
- Bedding insulated glass units in accordance with relevant clause of BS8000 Part 7.
- 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 draught proofing, including repair work over existing sealant.
- Glass to glass and glass to aluminium sealing.
- Parapet and roof weather sealing applications

### **SURFACE PROTECTION.**

Surfaces must be clean, dry and free from dust, grease and other contaminants.

Improved adhesion by wiping surface with **Kingfisher Solvent Cleaner**. 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 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 by using **Kingfisher Expanding 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. Fit 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 produced by keeping an even pressure on the trigger and keeping the gun at a constant angle to surface being sealed. To achieve 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

### **LIMITATIONS**

Do NOT use

- In conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- In the manufacture of Aquariums.
- On substrates that bleed oil, solvents or plasticisers.
- Use as a mirror adhesive.

This product is not overpaintable.

### **SPECIFIC DATA**

Movement Accommodation	+ or – 50%
Skinning Time	5 – 25 mins.
Cure Time	1 – 2 mm per 24 hours
Hardness Shore A	20 (DIN 53505)
Shrinkage	5%
Service temperature resistance	-5 <sup>o</sup> C to + 150 <sup>o</sup> C
Application temperature resistance	+5 <sup>o</sup> C to +60 <sup>o</sup> C
Tensile Strength	1.5Mpa (ASTM D412 C)
Specific Gravity	1.03
Minimum Joint Width	5mm
Maximum Joint Width	50mm
Joint Ratio	Max depth 50% of joint width
Coverage	@ 10 linear metres – 9mm x 9mm fillet joint.
Elongation at break	500 – 600 % (ASTM 412 D)
Tensile Modulus at 100% elongation	0.35Mpa (ASTM 412 D)
Tensile Adhesion Modulus @ 100% elongation	0.3 Mpa (ISO 8339 glass substrate)
Tensile Adhesion at break	0.5 Mpa (ISO 8339 glass substrates)
Tensile Elongation at break	250% (ISO 8339 glass substrates)
Peel Adhesion Strength	6KN/m (ASTM C 794)
Elastic recovery	>90% (DIN52458)
Application rate	250g/min (3.2m orifice 6.3 bar pressure)

### **HEALTH & SAFETY.**

**Kingfisher K-Z Neutral Cure Silicone** is not classified as hazardous to health as supplied und CHIP 97. It may be mildly irritant to eyes, respiratory system and skin. Avoid unnecessary skin contact and inhalation of vapours. Remove with soap and water. If product enters eyes, rinse immediately with water for 15 minutes. Seek medical advice if irritation persists.

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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