



L.M.N Building Silicone Sealant

Code 815 clear
Code 817 grey

Code 814 white
Code 818 oak

Code 816 brown

DESCRIPTION:

L.M.N Building Silicone Sealant is a cost effective 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 to BS5889 Type A, except clause 9.

BENEFITS:

Excellent adhesion - adheres to most common surfaces including glass, metals, 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.
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 glazing sealing and draughtproofing, including repair work over existing sealant.
Glass to glass and glass to aluminium sealing.
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.
Do not use on substrates that bleed oil, solvents or plasticisers.
Non overpaintable.

SURFACE PREPARATION:

The surfaces to be must be clean, dry and free from dust, grease and other contaminants.
Improve adhesion by wiping surface with Bioki ICrown PVC SOLVENT CLEANER (pvc) Biokil Crown GLASS CLEANER (glass) or white spirits (painted surfaces). 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

For deep joints, reduce depth by using Biokil Crown 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.

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TECHNICAL DATA



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 -50%
Skimming time:	5 - 20 mins.
Cure time:	1mm per 24 hours
Hardness Shore A:	16
Shrinkage:	>10%
Service temperature resistance:	-50`C to + 120`C
Application temperature resistance:	+5`C to + 40`C
Tensile Strength	1.0MPa
Specific gravity:	1.03
Cleaning:	Uncured sealant white spirit, cured sealant Biokil Crown Sealant Remover.
Minimum joint width:	5mm
Maximum joint width:	50mm
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres 9 x 9mm fillet joint
Elongation at break:	500-600%

HEALTH AND SAFETY:

L.M.N Building Silicone Sealant is not classified as hazardous to health as supplied under CHIP 97. Slightly irritating 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 soap and water. Seek medical advice if irritation persists. Ensure good ventilation in use.

STORAGE:

Store in original unopened containers between 15 and 30°C

SHELF LIFE:

12 months from date of manufacture