

TECHNICAL DATA



Premium Multi-Purpose Construction Silicone Sealant

Code 811 Clear
Code 813 Black

Code 810 White

Code 812 Brown

DESCRIPTION:

Premium Multi-Purpose Construction Silicone Sealant is a low modulus, reactive curing silicone sealant that 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.

BENEFITS:

Faster curing than conventional low mod sealants
Extremely low dirt pick up.
Flexible - movement accommodation of +/- 35%
Waterproof seal

AREAS FOR USE:

Sealing around PVCu profile, trim and cladding.
Perimeter pointing to PVCu, timber and metal window and door frames.
Weathersealing to pre-formed panels and formwork
Glass to glass and glass to aluminium weathersealing
Cap glazing and remedial glazing sealing.
General draughtproofing

LIMITATIONS:

Not for use in conjunction with bitumen, or asphalt.
Do not use on lead or soft metals.
On highly porous surfaces such as new concrete, priming is advised.
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 on uPVC and plastic components: Due to the wide variety and quality of these materials, the user must always carry out an adhesion test prior to use. Thermal movement of PVC-u frames can be excessive. This product accommodates movement of +/- 35% of the joint width.
Overpainting is not possible.

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:

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

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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:

- The joint depth should be no less than 5mm
- Joint depth should be 5mm for joints up to 10mm wide
- 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.

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 -35%
Skinning time:	10 mins @ 20°C
Cure time:	4mm per 24 hours
Hardness Shore A:	15-22
Shrinkage:	<5%
Service temperature resistance:	
-50°C to + 180°C	
Application temperature	+5°C to + 40°C
Tensile Strength	2.1 MPa
Stress	-
Specific gravity:	1.02
Cleaning:	Uncured sealant white spirit; Cured sealant: Biokil Crown Sealant Remover
Minimum joint width:	5mm
Maximum joint width:	30mm
Joint ratio:	Maximum depth 50% of joint width
Coverage:	@ 10 linear metres 9 x 9mm fillet joint
Elongation at break:	800%

HEALTH AND 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

STORAGE:

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

SHELF LIFE:

Use within 18 months.

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