
EVO-STIK BUILDING SILICONE MOISTURE CURING, LOW MODULUS, SEALANT

Evo-Stik Building Silicone is a one part, low modulus, “neutral” cure sealant which cures by moisture reaction to give a permanently elastic, highly durable water proof rubber. The cured sealant has excellent resistance to natural weathering and UV light.

Evo-Stik Building Silicone has excellent adhesion to most common building substrates, including porous surfaces, without the need for priming.

Conforms to ISO 11600 F-25LM that supersedes BS5889 type A.

APPLICATIONS

Building structures. – In properly designed joints.

- ◆ Expansion joints in concrete structures.
- ◆ Movement joints between both lightweight and heavyweight cladding panels.
- ◆ Sealing profiled sheeting.

Window sealing and glazing.

- ◆ Evo-Stik Building Silicone is for use in properly designed exterior high movement joints, especially around door and window frames.
- ◆ Suitable for all types of frames including: aluminium, hardwood and PVCu.

Limitations

- ◆ Do not use in situations where abrasion from pedestrian or vehicular traffic may be encountered.
- ◆ Unsuitable for use in submerged joints in porous substrates, which may permit water to reach the bond interface.
- ◆ Do not allow the sealant to come into contact with bitumen.
- ◆ Silicone sealants should not be painted for the adhesion of the paint will be poor, leading to flaking.
- ◆ Do not apply to Granite, Natural stone or Marble due to the risk of edge staining.

METHOD OF USE

Before using this product, please refer to Safety Data Sheet.

Joint Preparation

- ◆ All joint surfaces must be sound, clean, dry and free from oil, grease, dust and other loose material.
- ◆ In order to provide a firm base on which to extrude the sealant and also to ensure that suitable depth of sealant is maintained, moving joints should be backed with polyethylene foam backing strip.
- ◆ Do not apply sealant to frost contaminated surfaces.

Application

- ◆ Surfaces should be sound, dry, clean and free from grease and any loose material.
- ◆ Apply sealant ensuring good surface contact by forcing into the joint to be sealed.
- ◆ Sealant must be gunned firmly into the joints to ensure good adhesion to the joint surfaces.
- ◆ If necessary, tool within 5 minutes of application, using a spatula wetted with soapy water.
- ◆ Channel or rectangular joints should have a depth of no more than the width and no less than ½ the width of the joint.
- ◆ Joints deeper than this should be backed with a foam strip, it is important that the sealant does not bond to this backing strip.
- ◆ When used for fillet pointing, face width should be a minimum 10mm with a minimum depth of 6mm.

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Information Sheet No.: ZE0179

CLEANING

- ◆ Remove unwanted sealant and clean tools with white spirit before the sealant cures.
- ◆ Cured sealant must be removed mechanically, any residues may affect the adhesion of any other sealant applied to that area.

COVERAGE

Joint dimensions	Run per cartridge
6mm diameter bead.	10.5m
6mm square joint (channel)	8.5m
12mm (face width) fillet bead.	8.5m

These figures do not include wastage.

SHELF LIFE: 12 months when stored in the original unopened containers.

STORAGE: Store under dry conditions between 5°C and 25°C.

PACKAGING

Code:

483200	Black C20	x12
483217	Brown C20	x12
483231	White C20	x12
483224	Grey C20	x12

HEALTH AND SAFETY: Available separately in file named as the packaging code above.

TYPICAL CHARACTERISTICS

Form:	Soft paste - various colours
Cure Type:	Neutral
Specific Gravity:	1.01 at 23°C and 50% Relative humidity
Skinning Time:	Within 20 minutes with surface becoming tack free within 45 minutes
Cure Time:	Approx. 2-3 mm per 24 hours at 23°C and 50% relative humidity
Shore (A) Hardness:	18
Tensile Strength:	0.5 MPa
Modulus at 100% elongation:	0.34 MPa
Elongation at Break:	>250%
Application Temperature:	+5°C to +40°C
Service Temperature:	-60°C - +180°C
Slump Resistance:	Excellent, suitable for joints up to 25 mm wide
Movement Accommodation:	±50% of the joint width. Minimum joint size 6 mm by 6 mm.
Life Expectancy:	In excess of 25 years when used and applied as recommended.

Sales & Technical contacts at Bostik

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