

SCS1200GC

Silicone Sealant

Product Description

SCS1200GC silicone is a one-part acetoxysilicone sealant with anti-mold and fungal properties that cures with atmospheric moisture to form a rubber-like seal for specialised kitchen and bath applications, sealing and assembly. SCS1200GC silicone's properties are designed to offer excellent durability and performance.

Key Features and Typical Benefits

- Antifungal
- One component, ready-to-use sealant
- Fast skinning and curing
- General glazing: Glass, plastic, channel or stop
- General sealing: Sheet metal, skylights, ventilator, plastic signs, glass block structures and bedding of marine hardware

Potential Applications

- Bathroom & Kitchen
- Glazing
- Joint sealing
- Assembly

Colors

Available in 5 standard colors: Translucent, White, Grey, Beige, and Black.

Packaging

Available in 280ml and 300ml cartridges.

Typical Properties

Typical Properties - Uncured

Uncured Properties	Value	Test Method
Consistency	Paste	-
Slump	0mm (w=20mm)	JIS A 1439
Tack-free time	10 min (at 23°C)	JIS A 1439
Curing time	2 days (t=5mm, 20°C/55%RH)	-

Typical Properties - Cured

Cured Properties	Value	Test Method
Appearance	Elastic rubber	-
Specific gravity	0.99	-
Hardness (Type A)	19	JIS K 6249
Tensile strength	1.7 MPa	JIS K 6249
Elongation	490%	JIS K 6249
Lap shear strength	0.9 MPa	-
Cohesive Failure (Aluminum)	100%	-

Typical property data values should not be used as specifications. Assistance and specifications are available by contacting Momentive Performance Materials (MPM).

Installation Instructions

Surface Preparation

Sealant bonding surfaces should be sound, clean, dry and free of contamination. Use isopropyl alcohol wipe to clean surface.

Primers

On glass and glazed surfaces, primers are not required. SS4179 primer may be required on plastics and other construction materials for maximum adhesion. It is recommended that a bead of sealant be applied to the substrate material to test adhesion prior to general job use.

Joint Design and Dimensions

Silicone sealants should be no thicker than 10 mm and no thinner than 3 mm. The use of a bond breaker prevents three-sided adhesion. Polyethylene or polyurethane foam rods are recommended as back-up materials. If the joint is too shallow to allow foam rod, use a bond breaker tape.

The width of building expansion joints varies because of seasonal and daily changes in temperature. The designed joint width must be at least four times the expected thermal movement.

Technical Data

SCS1200GC silicone sealants exhibit typical silicone sealant resistance to the environments encountered in general purpose glazing and sealing applications.

Certifications

- EN15651-1 Type F INT-EXT
- EN15651-2 Type G
- EN15651-3 Type S class XS1

Product Safety, Handling, and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.siliconesforbuilding.com or, upon request, from any MPM representative.

- Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician.
- Adequate ventilation must be maintained in the work place at all times as this product releases acetic acid during curing
- Extended contact with the skin may cause irritation and should be avoided.
- Not for food contact use.
- Store in a cool, dry, dark place.
- Keep out of reach of children.
- Shelf life will be indicated by the 'use before date' on the associated documents when stored in original, unopened containers below 25°C in a dry place. (Avoid freezing condition)

Limitations

- Not for: Structural glazing, concrete, marble, limestone, lead, zinc or below water
- SCS1200GC silicone sealant should not be applied to reflecting, high gloss or, light-colored surfaces where aesthetic are critical, until adequate on-site sealant, surface and ambient atmospheric tests simulating building design are conducted to ascertain material compatibility and migration to adjacent surfaces under actual use conditions.
- SCS1200GC silicone sealant is not recommended for mirror installations without the approval of the mirror manufacturer.

Technical Services

Additional technical information and literature is available from MPM upon request. Any technical advice furnished by MPM or any representative of MPM concerning any use or application of any sealant is believed to be reliable but MPM makes no warranty, expressed or implied, of suitability for use in any application for which such advice is furnished.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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