



# SilGlaze® II SCS2800.0349

SilGlaze® II SCS2800 Silicone Sealant

**Product Description**

SilGlaze II SCS2800 sealant is a one-part, neutral, fast cure, low modulus silicone sealant that offers excellent adhesion, weatherability and elasticity.

**COLORS**

SilGlaze II SCS2800 sealant is available in 7 colors plus translucent:

<b>Product Designation</b>	<b>Color</b>
SCS2801	Translucent
SCS2802	White
SCS2803	Black
SCS2800.0349	Beige
SCS2800.0350	Brown
SCS2809	Gray/Aluminum
SCS2897	Bronze
SCS2892	Blue White

**PACKAGING**

SilGlaze II is available in plastic cartridges containing 300ml fixed and screw-on nozzles, 4.6 gallon pails, and 52 gallon fiber drums.

**Key Performance Properties**

**BASIC USES**

SilGlaze II SCS2800 offers a patented fast-cure technology that results in excellent adhesion to wood, vinyl, aluminum and glass and improved throughput and productivity in automated glazing equipment. SilGlaze II SCS2800 has been specially formulated for use in shop window fabrication as a bedding sealant as well as for cap, toe and heel bead applications.

SilGlaze II SCS2800 sealant may also be used as a perimeter weatherseal for field glazing, window installation, and general purpose sealing applications.

**LIMITATIONS**

SilGlaze II SCS2800 sealant should not be used:

- For structural glazing applications
- For aquariums
- For continuous water immersion applications
- For applications where FDA or USDA compliance is required
- In glass butt joints or other glazing applications where small bubbles which can develop during cure may be objectionable
- In totally confined spaces since the sealant requires atmospheric moisture for cure
- If painting over the sealant is a requirement

**Typical Product Data**

TYPICAL PROPERTIES

<b>Property</b>	<b>Value</b>	<b>Test Method</b>
Tooling Time	6–12 min.	at 75° F/50% R.H.
Sag/Slump	0.1 in. max.	TT-S-001543A, ASTM C619
Tack-free Time	30 min.	TT-S-001543A, ASTM C639
Cure Time	3/8": 2–4 days 1/8": < 12	ASTM C719
Dynamic Movement Capability	± hours 50%	

Hardness (Shore A)	18	ASTM D2240
Tensile Strength	220 psi	ASTM D412
Ultraviolet and Ozone Resistance	Excellent	Weatherometer – Twin Arc
Staining on Concrete	None	TT-S-001543A, ASTM D1248

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Contact GE Silicones' Quality Assurance for certification details of Federal Specifications TT-S-001543A, TT-S0023C, ASTM C920, and AAMA Specifications.

TECHNICAL DATA

SilGlaze II SCS2800 silicone sealant polymer is unaffected by normal weathering agents such as sunlight and ultraviolet radiation, rain, snow and temperature extremes.

When properly installed, joints formed of this material can be expected to extend and compress 100% of the installation width with no more than 50% movement in a single direction without affecting the seal or adhesive bond.

### **TECHNICAL SERVICES**

Complete technical information and literature is available from GE Silicones. Laboratory facilities and application engineering are available upon request from GE Silicones. Any technical advice furnished by GE Silicones, or any representative of GE Silicones, concerning any use or application of any sealant is believed to be reliable but GE Silicones makes no warranty, express or implied, or any use or application for which such advice is furnished.

## **Specifications**

### **APPLICABLE STANDARDS**

SilGlaze II SCS2800 sealant has been tested against the requirements of the following Federal Specifications for Silicone Building Sealants:

- TT-S-001543A (COM-NBS)
- TT-S-00230C (COM-NBS)
- ASTM C920-79
- AAMA 802.3-92, 805.2-92, 808.3-92, 803.3-92 (Type 1)

Contact GE for certification details.

### **FILING SYSTEMS**

- Electronic SPEC-DATA®
- SPEC-DATA® II
- Sweet's Architectural File 07920/GEN
- GE Silicone Technical Centers

## **Instructions for Use**

### **INSTALLATION**

#### **METHOD OF APPLICATION**

Install backup material or joint filler, setting blocks, spacer shims and tapes as specified. Apply SilGlaze II SCS2800 sealant in a continuous operation, horizontally in one direction and vertically from the bottom to the top of the joint opening. A positive pressure adequate to properly fill and seal the joint width should be employed. Tool or strike the SilGlaze II SCS2800 sealant with light pressure to spread the material against the backup material and the joint surfaces. A tool with a concave profile is recommended to keep the SilGlaze II SCS2800 sealant within the joint.

In cap bead glazing, tool the sealant applied at the sill so that precipitation and cleaning solutions will not pool. SilGlaze II SCS2800 sealant can be applied at outdoor temperatures as low as  $-37^{\circ}\text{C}$  ( $-35^{\circ}\text{F}$ ) provided that surfaces are clean, dry and frost free. Do not use water for tooling and do not apply to wet or damp surfaces.

While still uncured, excess sealant should be cleaned from glass, metal and plastics surfaces using solvent. Should sealant accidentally contact adjacent porous surfaces, the excess sealant should be allowed to progress through the initial cure or set-up. It should then be removed by abrasion or other mechanical means.

Note: In airpowered caulking guns, do not exceed 45 psig.

### **MAINTENANCE**

If the silicone sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area, remove any residual sealant and repair with fresh silicone sealant.

## **Handling and Safety**

Material Safety Data Sheets are available upon request from GE Silicones. Similar information for solvents and other chemicals used with GE products should be obtained from suppliers.

### **PRECAUTIONS**

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#### **Storage and Warranty Period**

SilGlaze II SCS2800 silicone sealant should be stored in sealed containers at temperatures at or below 80°F (27°C). Refer to the “Use Before Date” on the packaging carton. In cases where the shelf life has been exceeded, the local GE Silicones representative should be contacted for further information, prior to the intended use of this material.

#### **Availability**

Availability: SilGlaze II SCS2800 sealant is available in the United States and Canada through distributors.  
Cost: Contact a local distributor or the nearest GE Technical Service Center.

#### **Government Requirement**

Prior to considering use of a GE Silicones product in fulfilling any Government requirement, please contact the Government and Trade Compliance office at 413-448-4624.

CDS4640

#### **LEGAL DISCLAIMER**

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