



Sanitary SCS1701

Sanitary SCS1700™ Silicone Sealant

Product Description

Sanitary SCS1700 is a one-part silicone rubber sealant. It will resist mildew even when exposed to prolonged hot and humid environments. The sealant does not provide or maintain a nutrient surface for fungus. This sealant effectively seals around bathtubs, shower stalls, wall fixtures, rimless sinks, kitchen and bathroom fixtures and may be used for ceramic tile grouting and bedding. For maintenance Sanitary SCS1700 sealant may be used outdoors as well as indoors.

Watertight bonds can be made with this sealant in combination with glass, ceramic, steel, aluminum and many plastics. The sealant may be utilized on the job site or in the shop.

COLOR

Sanitary SCS1700 silicone sealant is available in:

Grade	Color
SCS 1701	Translucent
SCS 1702	White
SCS 1705	Almond
SCS 1752	Marble

COMPOSITION

AND MATERIALS

Sanitary SCS1700 silicone sealant is a mildew-resistant, one-part rubber. It guns easily in any weather, or in any climate. Easily placed into a joint, the sealant 'skins over' quickly and cures to silicone rubber on contact with moisture in the air. It is durable and offers mildew resistance, elasticity and weatherability.

Key Performance Properties

LIMITATIONS

Sanitary SCS1700 silicone sealant is not recommended for use where abrasion or physical abuse is encountered, or in horizontal joints on or below grade. This sealant is not recommended for use in locations subject to continuous water

immersion.

It does not sag or slump when applied to vertical surfaces, even in hot weather.

Sanitary SCS1700 silicone sealant should not be applied:

- To concrete, marble, limestone, lead, or lead coated surfaces.
- To building materials which may bleed oils or solvents these include, but are not limited to, impregnated wood and certain vulcanized rubber gaskets or tapes, or failed sealants and caulking compounds. When silicone sealants are used in remedial work, all old sealant must be removed.
- In totally confined spaces, as the sealant requires atmospheric moisture for cure.
- To aquariums as fungicide leaching will occur.
- To surfaces which will be painted. Paint film does not stretch with extension of the sealant.
- To surfaces with special or protective coatings, such as mirrors, without approval of the manufacturer of the article.
- Should not be utilized in food contact applications.

Typical Product Data

Property	Typical Value
Colors:	Translucent, White, Almond & Marble
Hardness (Shore A)	28
Tensile Strength	320 psi
Dynamic Movement Capability	+/-25%
Tack-Free Time	30 minutes
Tooling Time	5 minutes
Curing Time	5-7 days (3/8" bead at 77°F (25°C) and 50% RH)
Peel Strength to Ceramic Tile	20 lb./in
Sag/Slump	0.1 inches max.
Curing Method	Acetoxy
<p>Specifications</p> <p>Typical product data values should not be used in specifications. Assistance and recommendations are available by contacting GE Silicones at 800/255-8886.</p>	

TECHNICAL DATA

Sanitary SCS1700 silicone sealant resists the effects of water, cleaning agents and mildew. Its extensibility, tensile strength, hardness and adhesion do not change significantly with age. The sealant's weatherability enable it to retain its design properties even after many years of exposure.

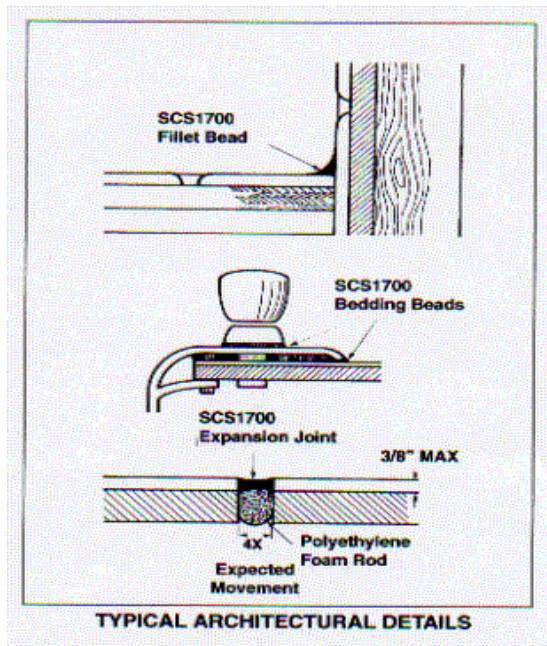
Total anticipated joint movement should not exceed 50% of the joint width, with no more than 25% in either extension or compression. Because of its recovery properties, the silicone sealant returns to its original shape, and dimension, even after long periods of tensile or compressive deformation.

Cured Sanitary SCS1700 silicone sealant won't harden with cold [down to -65°F (-58°C)] or soften with heat [up to +400°F (+2-4°C)]. See table 1 for values of typical physical properties.

TECHNICAL SERVICES

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

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APPLICABLE STANDARDS

Contact GE Silicones Quality Assurance for details on certification to:

- Fed. Spec. TT-S-001543A
- Fed. Spec. TT-S-00230C
- ASTM-C920, Type-S, NS, Class 25

FILING SYSTEMS

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

Instructions for Use

PACKAGING

Packaged in plastic cartridges fitting an ordinary caulking gun. Plastic caulker is designed to resist moisture infiltration. The material can be dispensed by many air-operated guns, and most types of bulk equipment. Bulk packaging is available on request.

Do not exceed 45 psig when used in air powered caulking guns.

PRIMERS

On ceramic tile, glass and glazed surfaces, primers are not usually required. Some other construction materials may require primers for use with Sanitary SCS1700 silicone sealant. It is possible that certain products should be primed for maximum adhesion. A bead of silicone sealant on the substrate material to test adhesion prior to general job use is recommended.

INSTALLATION

Cleaning: Sealant bonding surfaces should be sound, clean, dry and free of contamination, such as protective coatings, oils, greases and soap or detergent films.

Priming: When required, GE Silicones primers must be applied according to manufacturer's printed instruction on primer package.

Masking: Areas adjacent to joints should be masked, preferably before priming, if it is necessary to obtain a neat sealant line.

Method of Application: Sanitary SCS1700 silicone sealant can be applied directly from plastic caulking cartridges no mixing, heating or refrigeration is required. The sealant can be applied at outdoor temperatures as low as -35°F (-37°C), provided only that surfaces are dry and frost-free.

Apply joint sealant with hand gun or pressure equipment following the manufacturer's printed instruction. Maximum recommended pressure for air operated guns is 45 psig recommended pressure for air operated guns is 45 psig (3.2 kgs/cm²). Joints should be tooled immediately after application and masking tape should be removed immediately. Do not use soap, soapy water or oil as a tooling aid. In some cases, especially inside corners, a soft bristle brush moistened with solvent can be used to smooth the surface. Excess sealant should be cleaned off nonporous surfaces while in uncured state. On porous surfaces, excess sealant should be removed by abrasion or other mechanical means. Sealed joints should not be disturbed for at least 48 hours to allow for cure.

Contact GE Silicones for specific primer recommendation for various materials.

Handling and Safety

PRECAUTIONS

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

When solvents are used, proper safety precautions must be observed. All solvents must be used only in well ventilated areas. Exposure to high vapor concentrations must be avoided. When flammable solvents are used, storage, mixing and use must be in areas away from heat, sparks, flame or other sources of ignition.

Storage and Warranty Period

Store below 80°F (27°C) in a dry area. Shelf life is 2 years from date of shipment when stored in the original unopened container. Use entire contents immediately after opening.

MAINTENANCE

No maintenance is needed. If silicone sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area, and repair with fresh silicone sealant.

Availability

Sanitary SCS1700 silicone sealant is available from Construction Materials Distributors throughout the United States and Canada. For information consult your nearest GE Silicones Technical Center.

Cost is determined by volume of purchase. Contact local distributor or nearest GE Silicones Technical 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.

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