



Silicone Sealant for Plastic Applications

Information on GE SilPruf* SCS2700 Low-Modulus Silicone Sealant

SCS2700 is a versatile, ready-to-use single-component silicone sealant that offers more flexibility than is available in most typical sealants passing with up to +100% movement in extension and -50% movement in compression via the ASTM C719 cyclic fatigue movement ability test. It is useful in a variety of sealing, bonding and weatherproofing applications and especially notable is the low-modulus (softer and more flexible) characteristic of the cured silicone rubber which does not appreciably harden nor soften from -40°C/°F to 120°C/250°F. This soft adhesive is particularly helpful for bonding dissimilar materials with differing coefficients of thermal expansion (CTEs) and moreso for plastic materials which have significantly higher CTEs than many other materials.

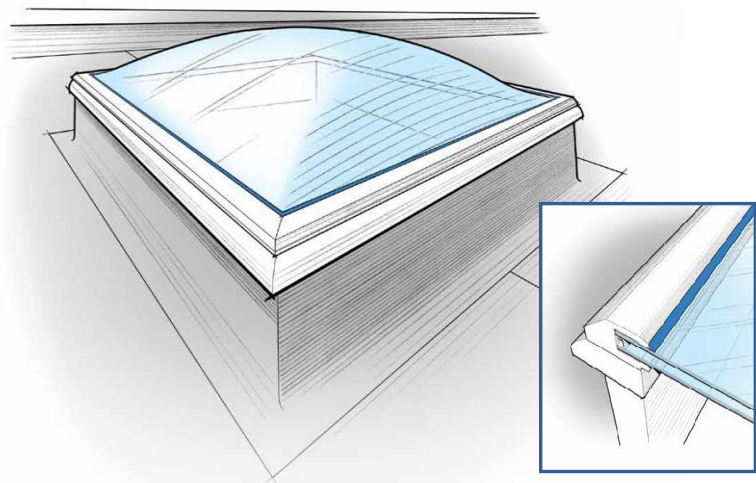
Commercialized in 1999, this product is formulated with 100% silicone polymer, is inherently UV resistant and needs no special precautions against freeze/thaw, salt water, natural weathering or direct sunlight and will not crack, split or harden over time. SCS2700 can be applied in temperatures below freezing for winter repair projects and on surfaces up to 35°C/122°F in summer conditions. Instructions for surface preparation, use and installation can be found on the product datasheet; see www.siliconeforbuilding.com

Compatibility

SCS2700 is tested as compatible to polycarbonate and does not lend to stress crazing or cracking of these materials.

Available Colors

SCS2700 is available in 8 standard colors including white, black and 3 shades of grey. For a full list of color options see www.siliconeforbuilding.com and navigate to the SCS2700 landing page or product datasheet.





Suitable Substrates

SCS2700 attains primerless bonds to, and is compatible with the following materials:

Material	Also known as	Adhesion	Comments
Acrylonitrile Butadiene Styrene	ABS, CYCOLAC™	primerless	10457
Acrylonitrile Styrene Acrylate	ASA/PC, Gelyo*	primerless	07626
Chlorinated Polyvinyl Chloride	CPVC	primerless	06591, 10320
Expanded Polyvinyl Chloride	Sintra	primerless	10320
High-density Polyethylene	HDPE	SS80 primer	10320
Modified Polyphenylene Oxide	PPO, NORYL™	primerless	10320
Polybutylene Terephthalate	PBT, VALOX™	primerless	10320
Polyethylene Terephthalate	PETG, PET	primerless	06591
Polycarbonate, plain	Makrolon®, TUFFAK® Lexan*	primerless	Compatible, 10272
Polycarbonate, UV resist	Makrolon®, TUFFAK® Lexan*	primerless	Compatible, 10272
Polycarbonate, mar-resist	Makrolon®, TUFFAK® Lexan*	primerless	Compatible, 10290
Poly(methyl methacrylate) PMMA	acrylic, Plexiglas, Lucite	primerless	06591
Polystyrene	PS	primerless	10320
Polyvinyl chloride	PVC, vinyl (rigid)	primerless	06591, 07099, 10294
Polyetherimide Resins	PEI, ULTEM™	primerless	10320
Polyester/Fiberglass composites	Gel Coat	primerless	
Vinylester/Fiberglass composites	Gel Coat	primerless	
Epoxy/Fiberglass composites	Gel Coat	primerless	

The above results should be verified at point of use.

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