

SCS2000 SilPruf

SilPruf is a high-strength, weatherproofing, silicone sealant, and structural glazing adhesive that provides extended tooling time and withstands significant joint movement. Supplied as a paste, SCS2000 is a one-component, medium-modulus, neutral-cure silicone for use with a wide variety of materials in new and remedial projects. Capable of adhesion to a wide variety of substrates, able to withstand harsh weather conditions, and exhibiting the movement capability required of complex designs, SCS2000 is an exceptional choice for a multitude of both weather-sealing and structural glazing applications.

PERFORMANCE PROPERTIES

Joint Movement Capability (ASTM C719)	+/-50%
Tear Strength (die B)	76.8 ppi
Ultimate Elongation	715%
Ultimate Tensile Strength	341 psi (2.35 MPa)
VOC	20 g/l
Work Life (tooling time)	20-30 minutes
Fire Endurance (UL723, ASTM E814)	2 hours (with backer)
Hardness, Durometer (type A)	24

PERFORMANCE:

Silicone durability – once cured, silicone exhibits excellent long-term resistance to natural weathering, including extreme temperatures; ultraviolet radiation; and rain and snow, with negligible change in elasticity.

Adhesion – SCS2000 features primerless adhesion to most nonporous construction materials, eliminating the risks associated with improper primer application on those materials and reducing costs related to primer and subsequent labor. SCS2000 can be used with many substrates and finishes, including glass, polycarbonate, vinyl, plastics, coated and anodized aluminum, concrete, brick, and wood.

Movement capability – once cured, SCS2000 exhibits +/- 50% movement in both extension and compression and is capable of withstanding daily exposure to various weather conditions.

Strength properties – combining high tensile strength, high tear strength, and the capacity to absorb high deformations (elongation), SCS2000 is an exceptional choice for many protective glazing and seismic applications.

Thermal stability (cured state) – remains elastic under a wide range of weather conditions, from -55° F (-48° C) to 300° F (149° C), and can withstand 400° F (204° C) temperatures with intermittent exposure.

APPLICATION:

Stable consistency (uncured state) – supplied as a lightweight paste, SCS2000 remains unchanged over a wide temperature range, making the paste easily gunned and tooled in both hot and cold conditions.

Extended work life – allows for prolonged placement and tooling time.

Low sag or slump – allows for horizontal, vertical, and overhead application. Once cured, the product forms a strong seal with minimal sinkage or slippage.

Available in 10.1 fl oz cartridge.



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