

# SCI - 1600

## NEUTRAL CURE

Multi - purpose Silicone Sealant

✍ Material from DOW CORNING

### DESCRIPTION

SCI-1600 neutral silicone sealant is a one part moisture curing silicone. It is an easy to use general purpose silicone designed for general purpose glazing and sealing applications where long term reliability is required. Weathering and UV resistance of SCI-1600 is excellent, important in glazing where most organic sealants fail. It is unaffected by high and low temperature and its superior physical properties are retained after many years exposure.

### KEY PERFORMANCE PROPERTIES

- \* IMPROVED NON SLUMP
- \* ONE PART READY TO USE
- \* FAST CURING
- \* OUTSTANDING WEATHERABILITY
- \* EXCELLENT ADHESION
- \* EASY APPLICATION

### APPLICATIONS

SCI-1600 has excellent adhesion to Glass, Aluminium, Concrete, Porcelain, Copper, Granite, Ceramics, Steel, Marble, Painted, Stainless, most plastic, Fiberglass, Galvanized and finished Woods.

It can be used for :

- \* Standard and Butt glazing of frames panels and shop fronts.
- \* Sealing environmental and refrigerated rooms, sheet metal, skylights, ventilators and air - conditioning units.
- \* Weather proofing etc.

### LIMITATION

SCI-1600 is not recommended for use :-

- \* On submerged joint where porous substrates permit water to the bond interface.
- \* On certain vulcanised rubber gaskets or tapes, where bleeding of plasticisers may occur. This may cause color change, adhesion loss.

### TYPICAL PRODUCT DATA

PROPERTY	VALUE
CURE METHOD	KETOXIME
COLOUR	Clear, White, Black, Aluminium & Grey
SAG / SLUMP @ 50 °C	NON SLUMP
HARDNESS	18 - 26 SHORE A (ASTM D2440)
TENSILE STRENGTH (Kpa)	1140 Minimum (ASTM D412)
ELONGATION	350% Minimum (ASTM D412)
TACK FREE TIME	18 - 27 MIN. (CTM 0095)
CURE TIME 20 mil @25 °C &50% RH	4 - 5 Hrs
OPERATING TEMPERATURE RANGE	-50 TO + 150 °C
JOINT MOVEMENT CAPABILITY	+ - 25%
SPECIFIC GRAVITY @ 25 °C	1.02

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