

# SCI® - 3800 Sanitary Sealant

High Performance, 100% Oxime Silicone Sealant

Anti Fungus (JIS A5758-97)

**SCI-3800** Sanitary Sealant is a one-component high performance neutral cure silicone sealant designed to resist the growth of mould and mildew where conditions of high humidity and temperature exist. It is especially suited for areas where mold is likely to be a problem such as kitchens, bathrooms, sanitary, refrigerated showcase, cold storage, refrigerated truck, bathrooms, metal sheet, skylights, ventilator system and air-conditioning units, and clean rooms because of its superior anti-mold properties.

It is an easy-to-use silicone sealant designed for general purpose glazing and sealing applications where long-term reliability is required. Adhere and seal to well porous and non-porous surfaces including steel, aluminum, glass, masonry, fiberglass, non-oily wood, many plastic surface, and also for using with zinc-coated and galvanized metal building products. It is unaffected by high and low temperature and its superior physical properties are retained after many years exposure.

## KEY PERFORMANCE PROPERTIES

- > 100% Neutral Silicone rubber
- > Contains a fungicide to inhibit the growth of mould and mildew
- > Adhere to a wide range of building materials and finishes including plastics.
- > Excellent resistance to weathering, ultra-violet radiation, moisture, ozone, temperature extreme, airborne pollutants, cleaning detergents and many solvents.
- > Non-slumping; can be used in vertical and overhead joints.
- > Long life reliability; cured sealant stays rubbery from - 50°C to +180 °C without tearing, cracking, drying out or becoming brittle.
- > Easy to use – one part, no mixing required.

## APPLICATIONS

**SCI-3800** has excellent adhesion to Glass, Aluminum, Concrete, Porcelain, Copper, Granite, Ceramics Tiles, Steel, Marble, Brick, Painted, Stainless, most plastic, Vinyl, UPVC, Fiberglass, Galvanized and finished Woods.

## TYPICAL PROPERTIES

CURE METHOD .....	Ketoxime
SAG/SLUMP @ 50 °C .....	None
HARDNESS (ASTM D2440).....	18- 26 Shore A
TENSILE STRENGTH (Kpa) (ASTM D412).....	1140 min.
ELONGATION (ASTM S412) .....	350% min.
TACK FREE TIME (CTM 0095) .....	18 - 27 min.
CURE TIME 20 mil @ 25 °C & 50% RH .....	4-5 Hrs.
OPERATING TEMPERATURE RANGE.....	-50 to + 180 °C
JOINT MOVEMENT CAPABILITY .....	± 25%
SPECIFIC GRAVITY @ 25 °C .....	1.02
IN-DEPTH CURE at 25 °C .....	1-2 mm Depth/day

## LIMITATION

**SCI-3800** is not recommended for use:-

- For structuring glazing.  
On submerged joint where porous substrates permit water to the bond interface.
- Can not be painted as paint will not adhere to sealant.
- Can not be applied on materials that bleed oils, plasticizers or solvents such as impregnated wood or oil-base caulks, or release by-products that may inhibit its cure, affect adhesion or discolor the sealant.
- Not recommended for use in close or confined area where sealant cure may be inhibited.

## PRIMING

**SCI-3800** has primerless adhesion characteristics to many common construction materials. However some material such as concrete, galvanized steel, plastic and other materials with variable surface characteristics require priming. Trial applications should be made to check adhesion to the specific materials to be used on the projects. Well known products of SS1479 primer (from GE) or DC 1200 (from DOW Corning) is recommended. Consult manufacture for more details.

## STORAGE AND SHELF LIFE

Store in original unopened container in cool, dry place below +25°C. Use within 14 months from date of purchase.

## PACKAGING

Supplied in 310ml (300g) standard plastic cartridges which fit ordinary caulking guns.  
Std. Color: Clear, White, and Almond  
Packing : 20 Cart/Box

