

# Silglaze N

## SCS2500 SERIES

### NEUTRAL SILICONE SEALANT

#### DESCRIPTION

Silglaze N 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 Silglaze N 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

Silglaze N has excellent adhesion to glass, ceramics, aluminium, GRP, granite, concrete, galvanised steel, and many plastics.

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.
- ¡ Assembly of metal/plastic signs.
- ¡ Weather proofing etc

#### SPECIFICATIONS

Typical product data should not be used as specifications. Product specification sheets are available upon request from GE Plastics (Aust) Pty Ltd.

#### COLOURS

Silglaze N is available in SCS2502 (white) SCS2503 (black), SCS2501 (Translucent), SCS2504 (Limestone) and SCS2509 (grey)

#### TYPICAL PRODUCT DATA

PROPERTY	VALUE
CURE METHOD	METHOXY
COLOURS	WHITE, BLACK, TRANS, GREY & L/STN
SAG/SLUMP	NON SLUMP (0.1j)
HARDNESS (ASTM D2240)	24 SHORE A
TENSILE STRENGTH KGF/CM <sup>2</sup>	14.5
DYNAMIC JOINT MOVEMENT	± 50%
SKIN TIME @ 25°C & 50% RH	6MIN
CURE TIME 10MM @ 25°C & 50% RH	5-7 DAYS
OPERATING TEMPERATURE RANGE	-62 TO +160°C
SPECIFIC GRAVITY	1.04

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### APPLICATION INSTRUCTIONS

#### **STANDARD GLAZING**

A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should not less than 4 mm. Maximum joint width should not exceed 25 mm. Depth should be half the width with a maximum of 10mm.

Polyethylene closed cell foam rod is the recommended back up material to provide the correct depth of joint. If the joint is too shallow use a polyethylene tape bond breaker. Do not allow the silicone sealant to contact the back of the joint or any staining material.

#### **BUTT GLAZING**

The sealant bead may be as deep as the glass thickness, and the maximum 10mm depth joint recommendation does not apply.

#### **SURFACE PREPARATION**

All surfaces must be clean, dry, sound, and free from dust, oil, rust, or any other contamination.

Metals should be cleaned with a non oily solvent soaked clean cloth. Solvent should be wiped from from the surface with a clean dry cloth. Use an alcohol such as metholated spirits on glass. For plastics contact the manufacturer for a recommended cleaning solvent.

When used on remedial work all existing sealant must be removed.

#### **APPLICATION**

Cut nozzle at a sharp angle slightly wider than the desired bead. Extrude sealant with a gun and toll with a round spatula within 5 minutes to spread the sealant against the joint surfaces.

When necessary to produce a neat appearance masking tape is recommended. This should be removed immediately after tooling before a skin forms.

Uncured sealant should be cleaned off non porous surfaces while in the uncured state with a commercial solvent such as Xylene.

#### **HEALTH AND SAFETY**

Contact with uncured product will irritate eyes. In case of eye contact immediately flush with water for 15 minutes and seek medical advice.

Use in well ventilated areas.

Keep our of reach of children

Avoid contact with skin or clothing.

#### **LIMITATIONS**

Silglaze N is not recommended for use:

- ¡ On submerged joints where porous substrates permit water to the bond interface.
- ¡ In aquarium construction and structural glazing. GE recommends SCS1200 sealant.
- ¡ For certain rubber products where bleeding of plasticer may occur.