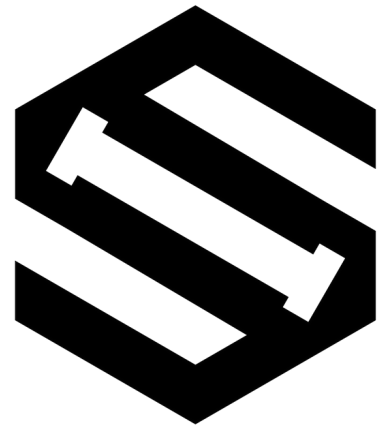




SOUTH CITY GROUP

# SEAL 500 RTV Neutral Silicone



Seal 500 is a one component silicone sealant which cures to a high modulus silicone rubber on exposure to atmospheric moisture at room temperature. This product is a neutral cure sealant. Seal 500 also provides excellent adhesion to glass, metal and numerous construction materials.



## TYPICAL PROPERTY DATA

UNCURED PROPERTIES	
Consistency	Paste
Slump (w=20mm) *1 (mm)	0 - 3
Tack-free time (23oC) *1 (min)	6 - 15
Curing time (t=5mm, 20oC/55%RH) (days)	2
Extrusion rate (23oC) *4 (g)	20-80

CURED PROPERTIES	
Appearance	Elastic rubber
Hardness (Type A) *2	15 - 30
Tensile strength *2 (MPa)	1.0 - 1.8
Elongation *2 (%)	Min. 300
Peel Strength *3 (KN/m)	2.9
UV resistance *3	Excellent
Tensile shearing adhesive strength *2 MPa	Min. 0.5

Test Method \*1; JIS A 1439 \*2; JIS K 6249 \*3; ASTM C 794

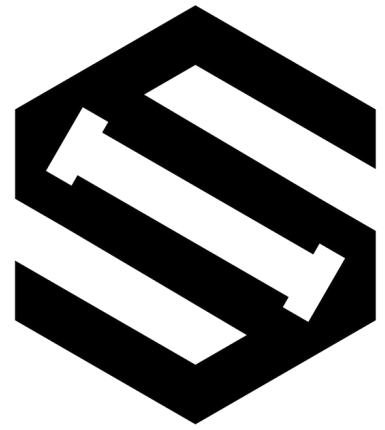
Typical property data values should not be used as specifications. Assistance and specifications are available by contacting Southcitypolychem.co.,ltd



## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene, or methyl ethyl ketone (MEK). Do not use soap, detergent or water. Wipe the surface dry. Sealant will not properly adhere to a wet substrate. For polycarbonate and acrylic resin, n-hexane should be used in order to prevent solvent-cracking.



# **SEAL 500**

## **RTV Neutral**

### **Silicone**

#### **How To Use :**

- Curing time : it cures once in contact with moisture in the atmosphere. Cure time therefore varies according to thickness, cure temperature, relative humidity. The optimum adhesive strength will develop in 3 days. The curing starts from the skin surface. The thicker rubber, the longer curing time is needed.
- Adhesion property : it shows good adhesion to all materials except olefins and poly-tetra-fluoroethylene resins.

#### **Storage precaution :**

- Store between 1°C – 25 °C , out of direct sunlight.
- With cartridges, as a general rule it is best to completely use up the product once the cartridge has been opened. If any remains, be sure to seal completely.

#### **HANDLING AND SAFETY**

- Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eyecontact, immediately flush eyes well with water and contact a physician.
- Adequate ventilation must be maintained in the work place at all times.
- Extended contact with the skin may cause irritation and should be avoided.
- Not for food contact use.

#### **PACKING**

- 300 ml/Cartridge