

PRODUCT DESCRIPTION

SEAL 600 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 600 also provides excellent adhesion to glass, metal and numerous construction materials.

KEY PERFORMANCE PROPERTIES

- ◆ One component, ready-to-use sealant
- ◆ Neutral cure
- ◆ Fast skinning and curing
- ◆ Maintains good flexibility
- ◆ Excellent adhesion to glass, most metals and plastics
- ◆ Excellent chemical resistance, elastic & salt resistance, heat and cold resistance
- ◆ Colors: Black/White/Translucent/Aluminium/Light Gray

APPLICATIONS

- ◆ General purpose sealant for sealing and caulking applications

TYPICAL PROPERTY DATA

UNCURED PROPERTIES		
Consistency		Paste
Slump (w=20mm) *1	mm	0 - 3
Tack-free time (23°C) *1	min	10 - 15
Curing time (t=5mm, 20°C/55%RH)	days	2
Extrusion rate (23°C) *3	g	Min. 20
CURED PROPERTIES		
Appearance		Elastic rubber
Hardness (Type A) *2		10 - 15
Tensile strength *2	MPa	0.5 - 1.5
Elongation *2	%	Min. 300
Tensile shearing adhesive strength *2	MPa	Min. 0.5

Test Method *1; JIS A 1439 *2; JIS K 6249 *3; JIS A5758

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.

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 eye contact, 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

- ◆ 310 ml/Cartridge, 600 ml/Sausage