NEUTRAL-CURING SILICONE

J-9520

Structural Silicone Sealant

One-component architectural silicone sealant



DESCRIPTION

Structural Silicone Sealant is a one-component, neutral-curing architectural sealant that can be extruded in all weather conditions and cures rapidly at room temperature. This cold-applied, non-sagging silicone forms a medium-modulus silicone rubber when exposed to atmospheric moisture. Once cured, the sealant provides weather sealing in properly designed joints. In properly designed structural-glazing joints, it provides sufficient strength to protect glass and other panels against high wind loads.

CHARACTERISTICS

- Ideal for new construction and remedial sealing work.
- Multipurpose: high-performance structural glazing and weather sealing in one product.
- Excellent weather resistance; hardly affected by sunlight, rain, snow, ozone and extreme temperatures. Temperature range: −50°C to +200°C.
- Ready to use directly from the cartridge; easy application.
- Usable across the temperature range; easy to use, with low-odour curing by-products.

SCOPE OF USE

- Structural bonding for various panel systems.
- Panel reinforcement installation.
- Weather sealing for commonly used substrates: glass, aluminium, steel, coated metal, EIFS, granite and other stone, concrete, brick and plastics.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Property	Result
Chemical base	Neutral silicone polymer
Color	Black, white and grey
Cure mechanism	Moisture curing
Density (g/cm³)	1.32
Wear-resistance properties (mm)	Good
Skin time (min)	15–20 min
Curing speed (mm/day)	2–4 mm/day
Volatile content (%)	5
Service temperature (°C)	−50°C to +200°C
Shore A hardness	48
Tensile strength (MPa)	1.45
Elongation at break (%)	450%
Tensile shear strength (MPa)	0.45

PACKAGING INFORMATION

Cartridge	310 ml; 12/20/24 pcs per carton
Sausage	400 ml/600 ml; 20 pcs per carton
Barrel	200 L/250 kg

STORAGE & SHELF LIFE

This product should be stored in its original packaging in a cool, dry place, protected from frost, sparks, flames and direct sunlight. Keep away from children.

Shelf life: 12 months from manufacturing date.