

BS-1008

TWO-COMPONENT ALKOXY SILICONE SEALANT

KEY FEATURES

- Fast curing at room temperature
- Good weather stability
- Stable insulation performance

DESCRIPTION

BS-1008 is a two-component, fast curing, room-temperature-vulcanizing silicone sealant for bonding and sealing of the structural parts and electronic components of electronic and electrical products with good flexibility and firmness. The cured sealant has a wide working temperature range, good weatherability and stable insulation performance to protect the electronic products under harsh using condition. It shows good processability for various dispensing requirements and it is ready for use as supplied.

Physical Properties	Part A	Part B
Appearance	Black	White
Viscosity	~ 300 000 cps	~ 450 000 cps

APPLICATION

BS-1008 shows excellent shear strength on various substrates without primer and exhibits excellent adhesion to:

- Most metals with no corrosion including stainless steel and aluminium
- Glass
- Plastics such as polycarbonate and polyamide
- Other general materials

BS-1008 is suitable for:

- Waterproof insulation sealing of electronic products.
- Waterproof, dust-proof, and airtight bonding of electronic products.
- Bonding and sealing of white and brown goods.
- Bonding and sealing of electronic communication products and PCB of base station.

- Adhesive fixation and sealing of general lighting and LED lighting fixtures, automobile lamps, etc.
- Other weatherability requirements and bonding and sealing of outdoor equipment.

Typical Properties

Curing

Mixed Viscosity	~ 375 000 cps
Tack-Free Time	~ 3 min
Preliminary Curing Time	~ 5 min

After Curing

Working Temperature Range	-55 ~ +200 °C
Shore A Hardness	~ 36
Density	~ 1.36 g/cm ³

Mechanical Properties with 2mm Thickness Sheet*

Shear Strength	~ 2.0 MPa (with Al)
Tensile Strength	~ 1.8 MPa
Elongation	~ 315 %
Volume Resistivity	~ 4.3 x 10 ¹⁴ Ω·cm
Dielectric Strength	~ 20 kV/mm
Dielectric Constant	~ 4.3

*: under 23°C, 50%RH condition.

Surface Preparation

- Ensure the bonding surfaces are dry, clean, and free of dirt, grease etc.
- Clean the surfaces using two cloth method and remove the dust using oil-free compressed air.
Two Cloth Method:
 1. Clean/Rub the surfaces to remove the grease with a clean cloth dampened with solvent.
 2. Immediately wipe off the residues using another clean cloth with a buffing action.

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Recommended Working Condition

- Environment: Ensure to work in a well-ventilated space.
- Mixing ratio (parts by volume):
Part A : Part B
1 : 1
- Mixing method: Using automatic dispensing equipment or bi-component tube
- Curing temperature: Room temperature

PACKAGING

300ml cartridge, 20ℓ pail

STORAGE AND SHELF LIFE

12 months from the date of manufacturing in its original packaging when stored in dry and clean place at temperature below 30 °C. The remainder in partly emptied package must be used as soon as possible.