

# BS-6000 V101

## Silyl Modified Polymer

- ❑ Solvent free, without mercury salt
- ❑ High strength and good thixotropy
- ❑ Good temperature and humidity resistance

BS-6000 V101 is a High Modulus elastic sealant/ adhesive based on Silyl Modified Polymers (SMP), which cures independently of atmospheric moisture. It is suitable as adhesive or sealant for structures in industrial applications requiring high strength.

### Properties

Physical Properties	Part A	Part B	Unit
Appearance	Grey	White	-
Viscosity	50000 ~150000	50000 ~ 150000	cP

Property	Value	Unit
Mixing ratio	1:1	-
Skin forming time	10	min
Application temperature	5-35	°C

Mechanical Properties	Value	Unit
Lap shear (1 mm)	6.99	MPa
Lap shear (0.2 mm)	7.74	MPa
Adhesion	100	%
Elongation (ISO 37)	241	%

Supplied by all CAPLINQ Global entities

#### Europe

Industrieweg 15E,  
1566JN Assendelft  
The Netherlands  
Phone: +31 (20) 893 2224  
Email: [info@caplinq.com](mailto:info@caplinq.com)

#### Canada

80 Sirocco Crescent  
Ottawa ON, K2S 2C9  
Canada  
Phone: +1 (613) 482-2215  
Email: [info@caplinq.com](mailto:info@caplinq.com)



#### North America

36927 Schoolcraft Rd  
Livonia, MI 48150  
United States  
Phone: +1 (313) 558-8243  
Email: [info@caplinq.com](mailto:info@caplinq.com)

#### South East Asia

S-08-07 Persiaran Triangle  
B Lepas, Penang 11900  
Malaysia  
Phone: +60(12)4302223  
Email: [info@caplinq.com](mailto:info@caplinq.com)

## **Applications**

BS-6000 V101 shows excellent shear strength on various substrates without primer and exhibits excellent adhesion to:

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

BS-6000 V101 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.

## **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.

## **Working Conditions**

- 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**

400ml Cartridge; 20l pail; 200l drum

## **Storage and Shelf life**

6 months from the date of manufacturing in its original packaging when stored in dry and clean place at temperature below 35 °C. The remainder in partly emptied package must be used as soon as possible.

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