

# BS-7000F V3

## Silyl Modified Polymer

- ❑ Following the EN 45545 fire safety standards
- ❑ Meets the highest hazard level 3
- ❑ Permanent elastic within temperature range -40°C to 100°C

BS-7000F V3 SMP adhesive/sealant based technology that anticipates on the latest fire protection legislation, meeting the highest hazard levels according to the European standard EN 45545. It is developed for mass transit industry, which complies with interior and exterior sealing requirements for all design and operation categories as described in EN 45545.

BS-7000F V3 demonstrates mechanical properties necessary for elastic bonding, suitable for elastic constructions in industrial applications. It has excellent resistance to UV, weather and temperature and are free of solvents, isocyanates and silicone. These products exhibit a very good adhesion performance on a wide variety of substrates (limited or no pre-treatment necessary).

### Properties

Physical Properties	Value
Appearance	White, Grey, Black
Curing method	Moisture

Property	Value	Unit
Skin forming time**	10	Min
Curing speed after 24hrs**	3	mm
Application temperature	+5 till +35	°C
Shore A Hardness	55	-
Density	1.4	g/ml

Mechanical Properties	Value	Unit
Tensile stress at break (GB/T 528)	3.0	MPa
Shear stress (GB/T 7124)	1.8	MPa
E-Modulus 10% (DIN 53504/ISO 37)	3.2	MPa
Elongation (GB/T 528)	200	%
Oxygen Index (EN 45545, EN ISO 4589-2)	HL-3 (R22)	NA
Toxicity (EN 45545, NF X 70-100-1/-2)	HL-3 (R22)	NA

\*\*@20°C and 50% relative humidity

Supplied by all CAPLINQ Global entities

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## Applications

BS-7000F V3 shows excellent elasticity on various substrates without primer and exhibits excellent adhesion to:

- Aluminum, stainless steel, galvanized steel, zinc, copper, brass, powder coated metal, and most lacquered metal surfaces
- Plastics such as PVC and polyester (GRP)
- Other general materials such as painted and lacquered wood

BS-7000F V3 is suitable for:

- Interior and exterior sealing in train constructions that require fire application
- Elastic bonding in mass transit constructions e.g. train, bus & coach
- Sealing welded seams

## 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.
- Curing temperature: Room temperature

## Packaging

400/600ml sausages; 20/200l drum

## Storage and Shelf life

12-18 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. Normally, standard transportation will not affect product performance.

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