



**BUILD PLUS**  
CONSTRUCTION CHEMICALS

**BP Jointseal-SL** (Silicone Sealant for Concrete, Tiles, Marbles, Glass, Granites, PVC, & Sanitary, etc)

**BP Jointseal-SL** is a single component fire retardant Silicone Sealant containing anti-fungal compound to prevent mould growth in areas subject to high humidity levels. It is a ready to use sealant packed in premeasured sausage & cartridges for sealing horizontal & vertical joints.

**Uses:** The products has been formulated for industrial & building uses and combines easy application properties with rapid cure for many applications, but commonly uses are:

- Sealing & waterproofing joints between ceramic tiles, bath tub & basins, and showers, etc.
- Bedding in sinks to kitchen tops, worktops, and vanity units
- Sealing between ceramic floor tiles and wall tiles in wet areas
- General uses in wet and humid areas where fungal resistance is requirement
- It has an excellent adhesion to many non-porous surfaces & can be used in sealing leakage

#### Directions for use:

**Surface Preparation:** The joint edges must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may reduce the adhesion. A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. When applied on glazed surfaces like ceramic or terrazzo tiles or porcelain surfaces, the glaze should be removed by abrading with sandpaper or wire brush.

**Mixing:** Mixing or stirring is not required.

**Surface Priming:** Priming of the surface is not required; Jointseal-SL can be applied directly without primer. When applying on aluminium & metal surfaces, ensure the surface is cleaned of all lacquer or protective coatings.

**Application:** Load **Jointseal-SL** onto a barrel caulking gun or cartridge squeezing gun. Start extruding the sealant into the joint firmly by maintaining an even pressure on the trigger of the gun. On vertical joints, sealant extrusion shall start from the bottom of the joint and continued to the top. Once the sealant has been installed a suitable rounded tool can be used to achieve a smooth hour glass profile. DO NOT USE SOAPY WATER SOLUTION. Any masking tape applied should be removed immediately after the sealant is installed.

**Jointseal-SL** can also be applied using many types of air-operated guns and most types of bulk dispensing equipments.

#### Joint Size:

Joint size may range from a minimum of 1mm to a maximum of 5mm wide; and Joints total movement should not exceed 25% M.A.F.

#### Skin over Time:

**Jointseal-SL** has a skinning time of approximately 5-8 minutes (ASTM C679) once exposed to atmosphere.

#### Curing:

It cures on absorption of atmospheric moisture to form a firm and flexible rubber like seal. The time required for curing is depending on atmospheric conditions like relative humidity, temperature, degree of confinement and thickness of the sealant. Curing time increases with thickness. However, at 25°C curing rate is 1 day for 3x3mm thickness.

#### Precautions:

**Jointseal-SL** is not recommended for:

- Movement joints having MAF >30%
- Asphalt pavements
- Joints width > 5mm

#### Typical Properties:

Appearance	: Smooth paste in custom colours
Tack free time	: 15 minutes
Specific gravity	: 0.96±0.01 g/cm <sup>3</sup> (ASTM D 1475)
Elongation approx.	: 500 % (ASTM D 412)
Tensile Strength	: 1.0-1.10 MPa (ASTM D412)
Solid content	: 85 % (ASTM D 2238)
Young's Modulus	: ~ 0.24 MPa (ASTM D 412)
Service temperature	: -20 to 200 <sup>0</sup> c
Application temp.	: +5 to 50 <sup>0</sup> c

**Pack Size:** 600 ml sausage



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#### Limitations:

- Jointseal-SL silicone Sealant is not paintable
- Not recommended for fish tanks or aquarium
- It does not adhere well to Teflon coated materials, polyethylene, polypropylene or Plexiglas
- Not for use on or near sensitive metals such as copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/ sealant cure

#### Cleaning:

Remove all excess sealant with a scraper. Any spillage can be cleaned using solvents. Clean all tools and equipments using similar solvent immediately after the tooling. Hardened materials can be removed manually or mechanically.

#### Storage:

**Jointseal-SL** should be stored in tightly sealed original factory containers. Protect from freezing and keep out of direct sunlight.

#### Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

#### Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a GMC Management System to conform to the requirements of the quality, environmental, health & safety Standards.

#### Shelf Life:

12 months in a properly closed container. As usual with such adhesives, protect from extremes of heat and cold. Do not store in open and always rotate stock, using oldest material first.

#### Handling:

**Jointseal-SL** is non- flammable, and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation due to its alkaline nature.

#### Health & Safety Precautions:

As with all construction chemical products, caution should be exercised. Adequate ventilation should be provided at the place of work. **Jointseal-SL** is non toxic but it is mildly alkaline. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

----- BP Jointseal-SL -----

