

# ShaliSeal<sup>®</sup> PU GG

Single Component Polyurethane Joint Sealant



STP Limited

## Description

ShaliSeal<sup>®</sup> PU GG is single component Polyurethane elastomeric sealant. ShaliSeal<sup>®</sup> PU GG resists crack arising out of movements of joint materials.

It conforms to EN 14187-S 2003, BS 5212, ASTM C-920, ISO-11600.

## Characteristics - Physical

Skin formation time , at 23 °C 50 % RH-minutes	90 – 120	Setting Time 25 °C, at 50% RH- Hrs	8 – 10
Application Temperature, °C	5 to 40	Density, g / ml	1.20 – 1.25
Solid content, %	> 90	Resistance to flow • at 23 °C • at 50 °C	≤ 1 mm ≤ 3 mm
Service Temperature, °C	- 40 to + 90		
Colour	Grey		
Paintable / Over coating	Yes		

## Characteristics - Technical

Property	Method	Result
Elongation at break,%	ASTM D 412	> 400
Hardness, Shore A after 28 days	ASTM D 2240	30 - 35
Elastic recovery, %	ASTM D 926	≥ 70
Modulus of elasticity at 100 %, MPa	ASTM D 412	0.25
Movement Compatibility, % (MAF)	ASTM C 719	± 30

## Consumption (Approx)

Joint Width	15 mm	20 mm	25	30 mm	35 mm
Joint Depth	8 mm	10 mm	12 mm	15 mm	15 mm
Theoretical Coverage / 600 ml	5 mtr	3 mtr	2 mtr	1.3 mtr	1.1 mtr

## Application

- Runways.
- Roads.
- Bridge decks.
- Docks and harbors.
- Civil structures including building – residential, commercial and industrial and prefabricated constructional panels.

## Advantages

- Fuel resistant.
- Single component ready to use.
- Excellent adhesion to most of the building materials.
- Good weathering and ageing properties
- Excellent workability.
- Can be paintable.

## Application Methodology

### ➤ Surface Preparation

- Surface must be clean, dry and free of grease, oil and painting compound.

- Concrete surface must be dry and stable at least for 28 days.
- Stains can be observed in some of the building material. Please check or contact our Advisory Cell.

➤ **Application of Material**

- Apply ShaliPrime PUM, If the surface is porous.
- After primer has dried, use polyurethane Foam (PUF) strips (equivalent) in expansion, construction & control joints as back up material to avoid 3-face adhesion and to avoid contact between joint forming board & sealant
- Apply **ShaliSeal PU GG** from the gun slowly to avoid any air entrapment. Smooth out with soapy water by pressing the mastic against the edges and the joint while taking care not to create air bubbles. Remove protection strip.

### Cleaning & Maintenance

Clean the equipment with solvent like Xylene, Toluene. Cured sealant on the equipment can be scrapped off.

### Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

### Packing

Available in 600 ml sausage.

### Storage

Keep in cool dry place, under the shed, away from heat and humidity. Store in proper ventilated room and temperature should be between 10 - 25 °C.

### Shelf Life

6 months in original unopened sealed condition.



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