

ShaliSeal[®] PU

Single Component Polyurethane Joint Sealant



STP Limited

Description

ShaliSeal[®] PU is single component Polyurethane elastomeric sealant. **ShaliSeal[®] PU** resists crack arising out of movements of joint materials. It conforms to BS 6920.

Characteristics

Skin formation time , at 23 °C 50 % RH- mints	90 – 120	Setting Time 25 °C, at 50% RH- Hrs	8 – 10
Flash Point, °C	> 55	Solid content, %	> 90
Application Temperature, °C	5 to 40	Density, g / ml	1.20 – 1.25
Modulus of elasticity at 100 %	0.25 MPa	Resistance to flow	≤ 1 mm ≤ 3 mm
Service Temperature, °C	- 40 to + 90	• at 23 °C • at 50 °C	
Elongation at break,%	> 400	Movement Compatibility, % (MAF)	25
Elastic recovery, %	≥ 70	Paintable / overcoating	Yes
Colour	Grey		
Hardness, Shore A after 28 days	35 - 40		

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.
- Window sealing for air conditioned coaches.

Advantages

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

Application Methodology

- 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.
- 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

- Smooth out with soapy water. Press 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

- The product Contains Poly Isocyanates and should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- 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, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

Packing

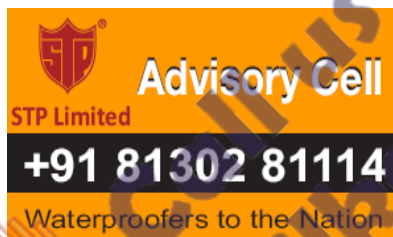
Available in 600 ml sausage.

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

12 months in original unopened sealed condition.



STP's Businesses
 Waterproofing & Insulation
 Road Surfacing
 Pipeline Coating
 Repairs & Rehabilitation
 GARA (Grouts & Admixtures)
 Other Powder Products
 Sealant & Additives
 Epoxy Flooring
 Protective / Anti-Corrosive Coating
 Other Products

