

ShaliUrethane

Two Component Aliphatic Polyurethane UV Resistant Top Coat



Description

ShaliUrethane (formerly known as Shaliol PU) is two component, liquid aliphatic polyurethane based UV and weather resistant coating. It is ideal protective coating for exposed surfaces as it provides excellent weather resistance and light stability. **ShaliUrethane** films are hard, tough but flexible and display good solvent and gasoline resistance. **ShaliUrethane** is available in various colours.

Characteristics

Pot Life, 30 °C	5 Hrs	Adhesion to Steel & Concrete	Excellent
Application Temp, °C	10 – 40	Coverage, square meter/Ltr	6 to 7 @ 75 microns
Drying time @30 °C • Surface Dry • Hard Dry • Full Cure	30 minutes, 6 hrs 7 days	Dry Film Thickness / coat, microns	60 – 75
Recoating Time, Hrs • Minimum • Maximum	6 48	Finish	Glossy
Impact resistance (cm.kg)	≥ 100	Hardness, sec. (Pendulum Hardness after 7 days curing)	195
Abrasion resistance	~ 40 mg	Flexibility (Conical Mandrel),mm	≤ 1
Weathering resistance (QUV)	1000 hrs	Temperature Resistance, °C	Up to 120
Flash Point, °C • Base • Hardener	> 23 > 23	Volume Solids	50 – 60 %

Application

- On shore and off shore industries.
- Power Plants
- Petrochemical and Pharmaceutical complexes
- Cement and steel plants, Transportation Industries
- Infrastructure projects
- Chemical plants.

Advantages

- UV and weather resistance.
- Better adhesion and flexibility
- Mild Chemical resistance.

Application Methodology

- Clean surface by oil free compressed air, sandblasting, wire brushes or other mechanical means to ensure removal of all rust, oil, grease, dirt, or any other loose particle prior to application of primer.
- **ShaliUrethane** being a Top coat, is applied over suitable anticorrosive primer or intermediate coats. Aged coatings coating should be roughened by emery paper grade 400 / 600 for better bonding.
- Apply only on dry surfaces.
- Stir the Component A and Component B separately. If settling is observed in the Component A, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing. Mix hardener gradually into the base under continuous stirring.

- Apply mixed homogenous mix by brush, roller, conventional or airless spray. Use suitable compatible thinner to get the desired workability. Volume of thinner generally required varies from 5 – 15 % depending upon the method of application i.e. brush, roller, conventional spray or airless spray.

	Conventional Spray Application	Airless Spray Application
Thinner, %	5 – 15	5 Max
Nozzle Orifice, mm	1.2 – 1.4	0.28
Nozzle Pressure, Psi	40 – 70	1400 - 1800

Cleaning

- Clean all tools immediately after use with xylene. Do not allow material to harden.

Health & Safety

- The product 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 5 Kgs units consist of Component A and B.

Storage

Store in a cool dry place under shed away from heat.

Shelf Life

6 months in original unopened sealed conditions.