

MIXTOP PU

Two Component Aliphatic Polyurethane UV Resistant Top Coating



Introduction

MIXTOP 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. MIXTOP PU films are hard, tough but flexible and display good solvent and gasoline resistance. MIXTOP PU is available in various colours.

Appropriation

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

Characteristics

- UV and weather resistance.
- Better adhesion and flexibility

Technical Data and Properties

Pot Life	30deg C : 5hrs
Adhesion to Steel & Concrete	Excellent
Application Temp	10-40deg C
Impact Resistance	>100 (kg cm)
Abrasion Resistance	`40 mg
Weathering Resistance	1000hrs
Finish	Glossy
Volume Solid	50- 60%
Pot Life	5deg C, 12 hrs 23deg C , 10 hrs 35deg C, 6 hrs
Drying time @30deg C	Surface Dry- 30m Hard Dry- 6hr Full Cure- 7Days

Product Management

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.

- MIXTOP PU 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. For Concrete substrate use MIXPRIME EP as a primer.

- 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.

Conv.Spray App Airless Spray App

Thinner %	5 – 15	5 Max
Nozzle Orifice	1.2 – 1.4	0.28
Nozzle Pressure, Psi	40 – 70	1400 - 1800

Cleaning & Maintenance

- Clean all tools immediately after use with xylene. Do not allow material to harden.
- Service life of a floor will be considerably extended by good housekeeping. Regular cleaning may be carried out using a rotary scrubbing machine with a warm miscible cleaning agent at temperature

up to 50 OC.



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the construction chemist...

Packing & Storage

MIXTOP PU is available in 5 L units consist of component A and B.. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage silos. MIXTOP PU should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

Health & Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Avoid inhaling the product as it could result in irritations in the respiratory system. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. For more details, please refer to the MSDS released on each PyChem product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



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