

ECHO PU COATING

• DESCRIPTION & FIELD OF APPLICATION

Echo PU is a high gloss finish top coat specially formulated from polyurethane based, elastic, crack bridging membranes. It has an excellent glossy color with excellent properties. It binds with the substrate to form a highly elastic, seamless, effective water-proof coating waterproof with excellent crack bridging properties. Its performance is maintained even at low temperatures

Recommended for use as a final coating on steel and concrete, wood, on interior and exterior surfaces for long-lasting waterproofing such as: Roofs , Balconies, terraces, Wet areas (under-tile) in bathrooms, kitchens, Pedestrian traffic deck, asphalt felts, Concrete constructions like bridge-decks, tunnels, stadium stands, etc...

• MAIN FEATURES

- High gloss finish
- Excellent chemical resistance properties
- Excellent resistance to Chlorides and Alkalies
- Excellent resistance to water, acid, wear, and atmosphere elements
- Excellent scratch resistance
- Highly Elastic
- Crack-bridging
- Excellent abrasion resistance and very good flexibility
- Provides water vapor permeability
- Provides excellent thermal resistance
- Resistant to detergents, oils, seawater and domestic chemicals
- Very good adhesion on surface and top coating Good resistance to humidity and temperature
- Good impact resistance and tensile strength

• PHYSICAL SPECIFICATIONS

- | | |
|--------------------|--|
| - Finish | - Gloss |
| - Gloss | - Above 90% at an angle of 60° |
| - Color | - Clear, white and the other colors as per Echo color card |
| - Density | - 0.998 kg/L. |
| - Specific gravity | - 0.97 (mixed paint) |
| - Viscosity | - 9000 cp@25°C |
| - Volume solid | - 57.8% |
| - Tensile strength | - 5.7 N/mm ² |

- Vapour transmission
- Thermal resistance
- D.F.T
- Coverage
- Flash point
- Drying time
- 8 g/ m²/ day
- 160 °C
- 190 microns (depending on the surface and the system)
- 5-6 m²/kg
- 16°C
- Touch to Dry : 6 hours
- Recoating interval : 8 hours
- Full cure : 8 days

● SURFACE PREPARATION

A. New surface:

All new surfaces must be cured at least 30 days prior to application of the primer; the surface must be treated by removing all forms release and protrusions to get a suitable surface for application.

B. For previously painted surface:

Remove old paint from the surface completely. Make sure the surface is completely clean, dry, and free from dust, oil, grease, salt and mold. Fill the holes and the cracks with suitable PU crack filler prior to application of the primer.

● APPLICATION

8. The surface must be free from the dust, grease, oil, and other contaminants completely.
9. Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 70%
10. Maximum pH of the surface should not exceed 9.
11. Angle fillet area, joints around pipes, conduits and any other cracks on the floor must be treated with a suitable filler before application.
12. A suitable quantity of thinner can be added to get reasonable viscosity for application.
13. Do not apply on surfaces until they get completely dry
14. Do not apply next coat unless the previous one is fully dry, Minimum recoating interval time 24 hours should be given between two coats.
15. Allow curing for 24 hours after which an inspection water test can be done.
16. Adequate ventilation should be provided during drying time.

● INSTRUCTIONS FOR APPLICATION

1. **Airless Spray:** Maximum 10% Thinner may be added
Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in)
Pressure: 130 - 160 kg/cm² (1800 - 2300 psi)



2. **Brush or Roller**

Maximum 5% Thinner may be added

- **THINNING**

- Xylene

- **PACKING**

- 19-liter Pail - 1 US gallon

- **Colors**

- Transparent - unlimited colors

- **STORAGE**

- The product must be kept in cool well-ventilated place, protected from sunlight and heat.
- Containers must be kept tightly closed after partial usage.
- Storage life up to 5 years from date of production, if stored as suggested.

- **REMARKS**

- Avoid contact with skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapor or spray.
- When working with Solvent-borne paint within insufficiently ventilated areas, forced ventilation system should be provided.
- This product is flammable. Keep away from sources of ignition. Do not smoke in the workplace.
- All liquid paints should be kept away from children's reach.
- For more information, please do not hesitate to contact our Technical Department.