

ECHO THERMOPLASTIC ACRYLIC PAINT (TPA)

• DESCRIPTION & FIELD OF APPLICATION

Echo Thermoplastic acrylic coating is manufactured from a flexible non-reinforced thermoplastic styrene-acrylic resin, mixed with a heat-setting plasticizers. It is used in different applications, include fencing, street furniture, lamp posts, construction, hand rails, automotive parts, hot-dipped galvanized steel, petroleum steel tank, for protection and corrosion prevention, and used in traffic marking paint, it is ideal for marine, industrial, hot, and cold climates. Echo Thermoplastic acrylic coating characterized by its high performance and high durability.

• MAIN FEATURES

- High viscosity
- Excellent weathering resistance
- Resistance to sun, salt and sea water
- Quick drying
- Excellent hardness and abrasion-resistance
- Very good flexibility, good gloss and gloss retention
- Very good adhesion on asphalt, concrete and stone
- Non-yellowing with Good Abrasion Resistance
- Very good Alkali and humidity resistance
- Very good exterior and interior durability
- Prevent moisture passing through the coating
- Excellent in marine and Industrial environments

• PHYSICAL SPECIFICATIONS

- | | |
|----------------------------|---|
| - Solid content (% by wt.) | - 60 ± 2 % |
| - Solid Volume | - 40% (Minimum) |
| - Viscosity | - @ 25°C 150 - 200 Poise |
| - Acid value (on solids) | - < 10 mg |
| - Clarity | - Excellent |
| - Color | - as per Echo color card |
| - Specific gravity | - 1.0 -1.20Kg/Liter
0.97 (mixed paint) |
| - Flash point | - 48°C |
| - D.F.T | - 10-20 micron / per coat |
| - Theoretical covering | - 8-10m ² /Liter |
| - Practical covering | - 5- 6m ² /Liter |

- **SURFACE PREPARATION**

All surfaces must be clean, dry, and free from oil, grease, dirt, rust, the mill scale. Any other foreign material must be removed with power steel brushing or sandblasting. All other foreign material must be cleaned with a solvent wash and dried thoroughly before painting, fill the holes and the cracks with suitable crack filler prior to application.

- **APPLICATION**

1. 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%.
2. Maximum PH of the surface should not exceed 9.
3. Angle fillet area, joints around pipes, conduits and any other cracks on the floor must be treated with a suitable filler before application.
4. A suitable quantity of thinner can be added to get reasonable viscosity for application.
5. Do not apply on surfaces until they get completely dry.
6. Do not apply next coat unless the previous one is fully dry, Minimum recoating interval time 24 hours should be given between two coats.
7. Allow curing for 24 hours after which an inspection water test can be done.
8. 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



- **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.
 - All liquid paints should be kept away from children's reach.
- For more information, please do not hesitate to contact our Technical Department