



RAINBOW

SOLVENT FREE AMINE-CURED EPOXY

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| PRODUCT NUMBER | EP-4556F |
| TYPE | The two-pack solventless lining coating based on Bisphenol A epoxy resin / polyamine resin with anticorrosive pigment, its composition and properties are fully meet with the specifications of the MIL-C-4556E and MIL-C-4556F. |
| USES | <ol style="list-style-type: none">1. Used for the cement substrate, the steel structures of ship, bridge, steel frame, tank, factory equipment etc.2. Especially suitable for steel tank lining used to storage water, alkali liquid, salt solution, chemical material and gasoline. |
| CHARACTERISTICS | <ol style="list-style-type: none">1. Tough and hard film, rich flexible and adhesion.2. Excellent chemicals resistance, especially in water, alkali liquid, petroleum and organic solvents.3. Excellent resistance to abrasion, impact and electrical insulation.4. Excellent resistance to the penetration of moisture and corrosive gases.5. Excellent resistance to gasoline, diesel, JP-4, JP-8, naphtha, crude oil, kerosene, reforming oil, light-waste oil, residual oil, fuel oil and airplane jet fuel.6. No VOC emissions in the coating. |
| COLOR | White, ivory |
| MASS DENSITY | Above 1.45±0.1 Kg/L (mixture) |
| VISCOSITY | Approx.120 KU (mixture, 25°C) |
| DRYING TIME | Set-to-touch 8 hrs. Dry hard 12 hrs. Fully cured 5 days (25°C) |
| OVERCOATING INTERVALS | Min. 12 hrs. Max. 10 days (25°C) |
| OPTIMUM FILM THICKNESS | Wet 300 microns Dry 300 microns |
| VOLUME SOLIDS | 98±2 % (mixture) |
| THEORETICAL COVERAGE | 12.5 m ² /Gal |
| MIXING RATIO | Base : hardener = 3 : 1 (by wt.) |
| POT LIFE | 2 hrs. (mixture, 25°C) |
| THINNER | No.1005 Epoxy Thinner (SP-12), only for cleaning tools. |
| PRECEDING COATS | EP-116 Epoxy All Purpose Primer |
| FLASH POINT | Above 100°C (mixture) |
| HEAT RESISTANCE | 93°C (dry environment) |
| STORAGE SHELF LIFE | Minimum 1 year under normal storage conditions. |
| APPLICATION METHOD | Airless spray (brush or roller is limited to small repair) |
| FOR AIRLESS SPRAY | Tip size 0.029"~ 0.035" Air pressure 6 Kg/cm ² |
| NOTE | <ol style="list-style-type: none">1. Adhered grease, dust and sand on substrate must be cleaned thoroughly. Steel surface must be blast-cleaned to ISO-Sa 2 1/2 or SSPC-SP-10, the roughness of surface must reach 30 microns and above.2. Mix base and hardener according to the mixing ratio and stir thoroughly and then apply within 60 minutes.3. Use 60:1 or greater airless spray.4. When applied, please wear gloves to avoid skin to touch, accidentally when the mouth, nose or eye touch, immediately wash with water.5. When used inside tanks, sufficient ventilation must be provided.6. When overcoating interval is exceeded, paint film surface must be roughened to ensure adhesion. |

EPDM104556FX V1.1

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