EPOXY PRIMER

PRODUCT DESCRIPTION

PIONEER EPOXY Primer is a high solids, two-component epoxy primer specifically designed for industrial use.

Polyamide-converted , it cures to hard, tough and flexible film with excellent resistance to salts, alkalis, solvents, water and mild acids. Its anticorrosive components offer protection against rust formation and chemical degradation.

USE

Applied over properly prepared surfaces, it is used as a primer for structural steel, concrete and tanks where resistance to chemical fumes, dust, splash and spillage is desired. It can also be usedas a top coat for new construction where topcoating can not be done at once. Also recommended for use on structural steel, machinery, pipes and tank extensions in papermills, oil refineries, powerplants and waste treatment plants. However, it is recommended that for optimum properties, a topcoat should be applied. This system is not recommended for immersion services. Availablein Brown, Gray, Black, White and Zinc Chromate.

RECOMMENDED TOPCOATS

PIONEER Epoxy Base Enamel or PIONEER Epoxy Topcoat..

SURFACE PREPARATION

1. All surface to be painted should be free from dirt, grease, oil, salt or other contaminants.
2. Thoroughly cured, hard or glossy previous coatings which are very smooth may require scuff sanding to maximize adhesion.
3. Apply to properly primed or previously painted surfaces.

APPLICATION INSTRUCTION

1. Mix Part A and B seperately, then add Part B to Part A gradually with continuous agitation.
2. Allow mixture to stand for at least 30 mins. Before use or reduction with thinner.
3. Apply only when air and surface temperatures are between 60º - 100º F and surface is atleast 5º F above the dew point.

PHYSICAL PROPERTIES	
Colors	As requested

Finish	Flat, Semigloss
Volume solids Percentage	50
Recommended dry film Thickness (DFT)	3 to 4 mils
Theoretical coverage (sq.m.per liter) At 3 mils At 4	 7 sq.m 5 sq.m
Mixing Ratio (Base to Converter)	3:1 by volume
Induction Period	30 mins.
Pot Life (90º F and 70% RH)	6 hrs.
Dry Time (90º F and 70% RH) @ 2 mils dry Tack free Recoat Full Cure	 1 – 2 hrs 3 – 4 hrs. 3 days
Dry Heat Resistance, Continuous Intermittent	 200º F 300º F
Flexibility	Very Good
Weathering	Chalks but product integrity remains unchanged
Abrasion Resistance	Excellent
Hardness	Excellent

CHEMICAL RESISTANCE GUIDE

Exposure	***Splash and Spillage***	***Fumes***
Acids	Good	Good
Alkalis	Good	Very Good
Solvent	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

VENTILATION

It is very important for the safety of the applicator and the applicator and the proper performance of the product that good ventilation be provided to all portions of the enclosed area.it is equally important to bring into the enclosed area, dry, fresh air as well as remove all the salvent vapors. Since all solvent vapors are heavier than air, it is readily apparent that the ventilation ducts should reach to the lowest portions of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to ensure that all solvents are removed from the coating. Poor ventilation coukd affect the curing of this product.

APPLICATION METHOD

1. **Brush or Roller:** Recommended for small areas only. Avoid rebrushing or rerolling. Thinning normally not required but of necessary use only PIONEER Epoxy Reducer at approximately 10% by volume.

2. **Conventional Spray:** Use 15% Epoxy Reducer. This method is not recommended but if this is to be used, use a pressure material pot with mechanical agitator, equipped with dual regulators and air gauges, with oil and moisture seperators. Use Binks No. 18 gun, 67 fluid nozzle, 65 fluid needle, 67 PB air cap, heavy duty fluid spring and teflon fluid packing, 1/2 " I,D. Or larger, high solvent resistance third line and 3/8" I.D. or larger air supply line. Operating air source capable of providing a minimum of 20 CFM at 80 psi to each nozzle and 60 psi to the pot required.

3. **Airless Spray:** Thinning normally not required but if necessary, use 5% PIONEER Epoxy Reducer. Use a 30 to 1 pump ratio and .020" to .023" tip size to provide good spray pattern, fluid hose should not be less than 3/8" I.D. and not longer than 50" to obtain optimum results.

HANDLING PRECAUTIONS

1. Harmful if inhaled, so adequate ventilation and the use of a facemask is a must.

2. Avoid skin contact. If the product comes in contact with the skin, wash thoroughly with luke warm water and soap.

3. If the eyes are contaminated, flush with water for at least (10) minutes and obtain medical attention.

4. Product contains highly flammable materials. Keep away from heat, sparks and open flames.

5. When working in tanks, rooms and other enclosed spaces, adequate ventilation must be provided.

6. KEEP OUT OF REACH OF CHILDREN.

PIONEER
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