LayPoxy Zinc

Epoxy Coating Zinc Rich

PRODUCT DESCRIPTION: LayPoxy Zinc is a specially selected Zinc Rich solvent based epoxy system for steel structures to provide a sealing and priming coat that is chemical resistant.

USES:

- Chemical Plants
- Steel tanks and structures
- Manufacturing Plants
- Pharmaceutical Industries
- Warehouses
- Showrooms
- Auto/Truck repair bays.
- Laboratories
- Hospitals

ADVANTAGES:

- Rust Resistant
- Easy application.
- Excellent bonding
- Excellent chemical resistance.
- Excellent durability and impact resistance.
- Available in a wide range of colors.

LIMITATIONS: LayPoxy Zinc should not be applied when the ambient temperature is below 50 Deg.F. (10 Deg.C.)

PACKAGING: Packaged in 20 Kg drum. The pack covers 10 m2 at 500 microns thickness.

COLORS: LayPoxy Zinc is available in standard Gray, Sandstone, Brownstone, Green and Red.

TECHNICAL DATA:

CHEMICAL RESISTANCE

Acetic Acid, 5%	excellent
Alkalies	excellent
Ammonia	excellent
Battery Acid	excellent
Bleach	excellent
Beer	excellent
Brake fluid	excellent
Ethanol	good
Ethylene Glycol	excellent
Gasoline	excellent
Hydrochloride Acid, 10%	excellent
MEK	poor
Methylene Chloride	poor
MIBK	poor
Nitric Acid, 5%	poor
Oil	excellent

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Phosphoric Acid 30%.....................poor
Salt water .............................excellent
Skydrol ................................excellent
Toluene ................................good
Urine ..................................excellent
Xylene .................................excellent
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ENGINEERING DATA
Pot life at 70 Deg. F (24 Deg. C)-20 - 40 minutes
Flexibility - 50 N/mm2
Abrasion Resistance - 35 N/mm2

Surface Preparation:

Steel must be free of excessive, rust scale, pollution fallout, dirt, grease, surface chemicals or other foreign contaminants prior to blast cleaning. A careful examination must be made to ensure that these contaminants along with any accumulated oil, smoke, wax or any other material which could interfere with adhesion has been removed. This should be accomplished by use of a solvent wash. All sharp edges, welds, weld spatter, burrs and any other sharp prominence shall be ground smooth. Excessive rust scale shall be removed by mechanical means prior to blast cleaning. On steel tank applications, all seams and joint must have a continuous, smooth interior weld.
Steel surfaces subject to immersion conditions must be blast cleaned to White Metal with a minimum anchor profile of 2+mils.
Steel subject to non-immersion conditions shall be cleaned to Near White with a minimum anchor profile of 2.0 mils.
Abrasive blast cleaning shall not be performed when surface temperature of the steel is less than 5 Deg.F. (3 Deg.C.)above the dew point of the ambient air or where there is a possibility that the
blasted surface will become wet before the primer can be applied.
The blast cleaned surface shall be primed by the end of the same work day, but in any event before any visible rusting occurs. If rusting occurs after blast cleaning, the surfaces shall be reblasted before priming.Primed areas should be topcoated within 48 hours. If contamination of any kind occurs on the primed surface, it must be
removed prior to applying final epoxy coat.
Spot priming or repriming may be required depending upon the length of exposure.

Mixing: LayPoxy Zinc comprises two components, base resin and hardener. The hardener shall be poured into the base resin in the mixing vessel and shall be mixed thoroughly for 1-2 minutes using heavy duty slow speed drilling machine fitted with paddle to achieve a uniform consistency. Xylene can be used for dilution.

Application:

LayPoxy Zinc is better applied using 1:1 ratio plural component airless spray equipment to a coat thickness of 1 to 1.5 mils. It can also be applied using a roller or brush.

Precautions: Flammable, keep away from flames and sparks. Avoid contact with eyes and skin.

Cleaning: Clean with xylene

Storage Life: In unopened packs LayPoxy Zinc has a life of 12 months when stored below 35 deg. C.

MAINTENANCE: LayPoxy Zinc is durable. If damaged, it may be mechanically removed and re-applied.

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