

ZINC-RICH Epoxy Primer | E-520

Primer Zinc Rich Epoxy Romolo is a two-component product based on epoxy resin and polyamide hardener. Due to its high percentage of powder on the surface, it provides cathodic protection against corrosive agents on metal surfaces. This primer has a suitable drying speed and is compatible with a wide range of intermediate and topcoat colors. It is also possible to use this primer on submerged surfaces.



Physical And Chemical Specs

Volume percentage of solids	65 ± 2 % VS
Hue	Grey
Physical Form	Thick Liquid
Density	2.60±0.1gr/cm ³
Glossiness	Semi-Matte
Paint Coverage	7.8 m ² /Lit
Surface Drying Time	2-4 hours
Full Drying Time	7 Days
Deep Drying Time	8-12 hours
Mix Percentage with Thinner	5-20 %
Impermeability	100 %
Application Temp	10-40 C

Packaging 30 KG

Specifications :

- Very high resistance to water and moisture penetration
- Heat resistance up to 120 degrees Celsius
- Very high adhesion on various steel surfaces
- Very high chemical resistance and abrasion resistance
- Very high resistance to corrosion and suitable hardness

Applications:

- Protection of various types of pipes and metal structures
- Protection of various types of machinery usable in refineries
- Usable in covering the external surfaces of various tankers and...
- Protection of certain parts of ships such as ship decks and ship hulls
- And boiler platforms

How to use:

Surface preparation: The desired surface must be cleaned from any kind of contamination such as dust, oil, grease, etc. For this purpose, methods such as air pressure, washing with detergents and thinners can be used. Then, blasting (rust removal) should be done on the surface to the standard level of SSPC-SP10 to degree Sa3-2.5. After the rust removal, clean the residue from the surface with compressed air and make sure it is completely dry. After one hour of surface preparation, apply primer.

Application method: To apply this color, you can use the following devices: Air spray / pressure 4-3 atmospheres / nozzle diameter 1.8-1.6 millimeters Airless spray / pressure 7-6 atmospheres / nozzle diameter 0.53-0.43 millimeters Roller or brush (for small surfaces).

Usage method: First, mix the two components separately, then add the hardener (component b) to the mixture according to the blending percentage indicated on the label and mix until uniform. After 10 minutes, add the thinner to the mixture based on the spraying method and mix until uniform and ready for use. Considering the product's shelf life, mix the amount of paint that can be used during this time with the mixture.

● Packaging

Rmolo E- 520 is produced and supplied in 30-kilogram buckets.

● Storage

The suitable temperature for storing the Zinc-rich epoxy primer product is 4 - 50 in degrees Celsius. The useful life of this product is 12 months, provided that it is stored in a main container, away from moisture, freezing, extreme heat, and direct sunlight.

● Safety

It is recommended to avoid continuous inhalation of the vapors of this solvent in enclosed spaces and, if possible, use appropriate safety equipment. In case of contact with the skin or eyes, wash thoroughly with water. This color is flammable and should be kept away from heat, sparks, and open flames.

! The suitable temperature for painting should be between 10-40 degrees Celsius. The surface temperature during painting should be at least 3 degrees Celsius above the dew point to prevent moisture accumulation, and the humidity should be maximum 80% at the surface. The working area should be free from ice and moisture.

! The protective mechanism of zinc-rich epoxy primers is as follows:

The main function of zinc-rich epoxy primers is defined as sacrificial corrosion protection. When zinc-rich epoxy primers are applied together with a high-build coating, they form a relatively thick layer compared to other paint coatings. This layer acts as a protective barrier against corrosive environments and completely separates the metal surface or underlying layer from the external environment. When a defect occurs on the topmost coating layer, zinc-rich epoxy primers perform their duties in preventing corrosion and also creating a barrier to interrupt electrochemical reactions based on corrosion.



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