

Product Description

FARCOTEK ZR is a three-component, epoxy based zinc-rich anti corrosive coating. It has a low VOC level and contains 90% by weight of zinc dust pigment in its dried film. The treated surface can be recoated with ZR or paints based on: Acrylic, Epoxy or Polyurethane.

Uses

For use over properly prepared blasted steel in fabrication shops, on bridges or highways, in stadiums and sports complexes, on piping, in refineries, on barges and ships, paper and pulp mills.

Advantages

- Hard tough film
- Pre weigh components
- 90% total zinc in the dry film
- Excellent adhesion and undercutting resistance.
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- Excellent abrasion resistance

Standard Compliance

Adhesion test (ASTM D3359), Cross cut knife, 1 layer, 100µm DFT: 5A (No defects)
Impact resistance (ASTM D2794), 1layer, 100µm DFT: No cracks and defects. Salt spray (ASTM B117), 1layer, 100µm DFT, 1000hours: No blistering and no corrosion.

Technical Information

Color	matt, grey	
Components	3	
Base	Zinc-rich epoxy	
Mixing ratio (by weight)	A: 1.6kg B: 1.2kg C: 9.9 kg	
Specific Gravity(kg/L) 25 °c	A: 1±0.02 B: 0.95±0.02 C: 3.25±0.05 (A+B+5%thinner): 2.68±50 gr	
Solid by weight	88%±2	
Zinc in the dry film	90%	
Drying times of a coating with 150µm WFT and 50% R.H		
Ambient temperature	25 °c 45 °c	
Tack free	30min 10min	
Dry to topcoat	Max Min	1year 1 year 1hour 30min
Curing	7days 5days	
Pot life at 25 °c	4 hours 2hours	

It should be noted that pot life and drying times are directly dependant on ambient, components and substrate temperature.

Coverage

Wet film thickness: 125-200µm Dry film thickness: 75-125 µm the consumption is 330-550 gr/m²

Instruction for Use

Surface Preparation

- Zinc rich coatings require direct contact between the zinc pigment in the coating and the metal substrate for optimum performance.
- Surface must be dry, free from oil, dirt, dust, mill scale or other Contaminants to ensure adequate adhesion.
- Remove all oil and grease from surface by



Solvent Cleaning per SSPC-SP1. Blasted to minimum SA2 1/2 (ISO 8501-1), SSPS-SP10, and obtain 25-50 μ (1-3 mils) blast profile.

Mixing

Mix contents of component A and B thoroughly with power agitator.

Then add Part C gradually while mixing and thoroughly agitate the mixture with power agitation. After mixing, pour through a 30-60 Mesh screen. Allow the material to sweat-in as indicated. Re-stir before using, if reducer solvent is used, add only after components have been thoroughly mixed, after sweat-in. Continuous agitation of mixture during application is required, otherwise zinc dust will quickly settle out.

Application

· Temperature: 4°c minimum and 40°c maximum (air, surface, and material) At least 3°c above dew point.

Relative humidity: 85% maximum

· For small areas ZR can be applied by brush, if required thinned up to 5% by weight.

· For large areas ZR is applied by airless or conventional spray, if required thinned up to 8% by weight.

⦿ Packaging

It is supplied in 12.7 kg packages as follow:
A: 1.6 kg, B: 1.2 kg, C: 9.9 kg

⦿ Shelf life and Storage

12 month when stored indoor at temperatures between 4 to 40°c and unopened packages.

⦿ Safety and Handling Precautions

- When used in confined areas, thorough air circulation must be used during and after application until the coating is cured.
- Working persons should wear protective clothing and gloves.
- This product contains flammable solvents. Keep away from sparks and open flames.

⦿ Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



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