



Epoxy Zinc Phosphate Primer

DATA SHEET



Epoxy Zinc Phosphate Primer

Description:

Panda Epoxy Zinc Phosphate Primer is an anticorrosive composition for pain of steel structures. It is a two-component system, consisting of component A and Hardener.

Chemical Resistance:

Zinc Phosphate Primer is primarily a protective coat against severe weather atmospheric conditions and requires finishing coats which suit the environmental conditions. This primer can also be used as a shop primer which protects the steel structure for a longer time. The primed structures can be fabricated and welded.

Adhesion:

Best adhesion is obtained on properly prepared surfaces. Steel should be blast cleaned, concrete can be blast cleaned or wire brushed.

Inter Coat Adhesion:

Best inter coat adhesion is achieved by application on cured surfaces. Finishing coat of Epoxy can be applied on top of this primer within seven days, to achieve best performance.

Technical Data:

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| Type | Two pack. |
| Mixing Ratio | Component A --- 2 Parts by Volume. Component B --- 1 Part by Volume. |
| Viscosity of Mixed Components | 60 seconds minimum ford Cup B4 at 25C. |
| Pot Life of Mixed Components | 3 to 4 hours at 25C. |
| Drying Time | a) Surface Dry : 2 – 3 Hours. b) Tack Free : 6 – 8 Hours. c) Hard Dry : 18 – 24 Hours. |
| Complete Curing of Film | It takes approximately 96 hours to obtain completely cured system. However, we recommend for safety purpose, a period of 7 days maximum for overcoating of this primer. |
| Gloss | Semi Glossy to Egg shell. |
| Dry Film Thickness | 25 ± 5 Microns. |

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| Average Spreading Rate | 8 – 11 Sq. Meter per liter per coat. |
| Flexibility | Flexible and tenacious film. |
| Scratch Resistance | Excellent. |
| Resistance to Salt Spray | When applied as a system and tested after 7 days according to BS3900, resists more than 300 Salt Spray Hours. |
| Resistance to Acid & Alkali | When applied as a system and tested after 7 days, it resists mild acidic and alkaline solutions. |
| Resistance to Sea Water | Very Good. |
| Surface Preparation | This material is essentially for application on, sand blasted steel surface free from rust, dust, greases and mill scale etc. Immediately after sand blasting, the material is to be applied. Concrete surface must be clean and sound. |
| Mixing | Use specified volumetric ratio Epoxy Zinc Phosphate Primer paint and hardener and mix thoroughly for 3 to 5 minutes with paddle on low-speed drill. Mix only that quantity of Epoxy you can use in specified period. Thin down the paint to spraying or brushing consistency by Panda Epoxy Thinner. |
| Application | To obtain the required film thickness and smooth film, the paint should be applied by Brush, Roller or Spray. We recommend two coats. To achieve maximum adhesion between two successive coats, the surface of the first coat must be roughened to ensure proper inter coat adhesion. |
| Coats Recommended | 1 to 2 Coats. |
| Caution | Proper ventilation is required at the time of application. |
| Packing | Epoxy Zinc Phosphate Primer is available in 4- & 20-liter units. |
| Storage Stability | Six Months, when stored properly in original sealed containers. |