

EPO PRIMER ZP

Alkyd Resin Based Corrosion Protective Primer



DESCRIPTION

EPO PRIMER ZP is a single component, Phenolic modified Alkyd Resin and Zinc phosphate based anticorrosion steel protective primer which provides a permanent protection of steel components against severe corrosion.

USES

EPO PRIMER ZP is designed to provide protection for atmospherically exposed steel structures against attack due to high moisture levels, acidic gases, and sulphate and chloride ions. Typical uses include:

- As a protective primer on steel in severely corrosive environment
- Protective primer for steel structures, tanks and silos
- General steel work and a multitude of applications for heavy and light steel industry

ADVANTAGES

- Single component ready to use and easy to apply
- Quick drying with good adhesion properties
- Excellent protective barrier to the steel from further corrosive attack

PRODUCT DATA

Form	Liquid
Color	Grey
Packing	4 Kg & 18 Kg Metal can
Consumption	0.150 – 0.250 Kg/m ² /Coat, dosage varies subject to surface characteristics
Shelf Life	12 months dry and cool, without opening package

TECHNICAL SPECIFICATION

Test Name	Result
Density @ 25°C	1.50 ± 0.10 Kg/Ltr
Solids By Weight	72 ± 2 %
Drying times – Touch dry @20°C: @35°C:	2 Hours 1 Hour
Fully dry to recoat: @20°C: @35°C:	5 Hours 3 Hours

APPLICATION PROCEDURE

PREPARATION

All surfaces should be dry and free from contamination such as corrosion deposits, oil, grease and loose particles. This is best achieved by lightly grit blasting the surface or follow proper surface preparation as convenient.

APPLICATION

In order to obtain the protective properties of the **EPO PRIMER ZP** System, it is important that the correct rates of application are observed. Any areas of glass should be masked. Plants, grass, joint sealants, asphalt and bitumen - painted areas should be protected during application.

The material should be stirred thoroughly before use. **EPO PRIMER ZP** can be applied by the use of suitable brush, roller or airless spray to achieve a uniform coating with wet film thickness not less than 100 microns. Material can be thinned by using **EPO SOLVENT** to get desired consistency.

If any doubt exists about having achieved an unbroken coating, a second application should be made as soon as the first coat is fully dry

EPO PRIMER ZP can also be used as final coat for internal application; recommended two coat application if used as final coat.

Note: At temperatures below 20°C, drying times will be slower. Conversely, at temperatures above 35°C, drying times will be faster. Application should not commence if the temperature of the substrate is below 10°C.

CLEANING

EPO PRIMER ZP should be removed from tools and equipment using **EPO SOLVENT**.



EPO GULF SPECIALITIES CO.
Kuwait, Amghara Industrial area
Block 4 Building 95 – 97 – 99
P.O box 12017 – Tel: +965 22272590
info@epogulf.com

WWW.EPOGULF.COM



EPO YAPI KIMYA CO.
Cement – Concrete Technology
Turkey, Istanbul, Tuzla, Orhanli
Tel: +90 2165932294
info@epo.com.tr

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PACKING & COVERAGE

PACKAGING

EPO PRIMER ZP is available in 4 Kg and 18 Kg can
EPO SOLVENT is available in 5 & 20 Ltr can.

PRECAUTIONS

FIRE

EPO PRIMER ZP and **EPO SOLVENT** are flammable, should be kept away from sources of ignition. Smoking not allowed. In the event of fire, extinguish with CO₂ or foam, should not use a water jet.

FLASH POINTS

EPO PRIMER ZP -- 42°C
EPO SOLVENT -- 35°C

HEALTH AND SAFETY

EPO PRIMER ZP and **EPO SOLVENT** should not come in contact with skin and eyes, or be swallowed. Adequate ventilation should be ensured and inhalation of vapours should be avoided. Some people are sensitive to resins, hardeners and solvents, hence suitable protective clothing, gloves and eye protection should be worn. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. In case of contact with skin, should be rinsed immediately with plenty of clean water and medical advice sought. If swallowed. Medical attention sought immediately. Should not induce vomiting.

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