

WEP-PR0658 Waterborne Epoxy Zinc-rich Primer

Product Description

Composed of waterborne epoxy resin, waterborne amine hardener, and ultra-fine zinc powder. Complying with the technical requirements of HG/T 3668-2020.

Typical Use

Used as an anti-corrosion primer on the surface of steel structures including factories, commercial buildings, machinery, docks, stations, bridges, petrochemical and power facilities in C3, C4 and C5 corrosion environment of ISO 12944. Use with epoxy primers and weather-resistant topcoats to form a long-lasting anti-corrosion system.

Physical Parameter

Color available	Zinc Gray and customized.
Gloss	None
VOC (g/L)	<150
Volume Solids	68±2%
Density (g/ml)	2.7
Dry film Thickness(μm)	40~80
Theoretical Coverage	17 m ² /L, 6.3 m ² /kg

Substrate Preparation

- (1) The surface of the substrate should be clean and dry, free from oil, dust and other contaminations. Use SSPC SP1 Solvent cleaning
- (2) Steel surface jet cleaned to Sa 2½ (ISO 8501-1), roughness Ry5: 40~75μm (ISO 8503-2)
- (3) Power tool cleaning to St3 (ISO 8501-1)

Application Conditions

- (1) The substrate temperature must be at least 3°C above the dew point, with a relative humidity not exceeding 80%. The optimal humidity range for application is 40~70%
- (2) For applications in confined or enclosed spaces, as well as in low-temperature and high-humidity environments, ventilation must be increased during application and drying

Application

Mixing Ratio (by Weight)		Hardener	Induction Time (23°C)	Pot Life (23°C)	Thinner
Part A	Part B				
20	1.5	WPH480	5Min	4H	Deionized water

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	2.0~3.0mm	0.28~0.53mm	Be applicable	Be applicable
Pressure	0.3~0.5MPa	15MPa		

Drying Time

Temperature of substrate	10℃	23℃	30℃	40℃
Surface Dry Time	3H	2H	40Min	20Min
Full Drying Time	24H	8H	4H	2H
Min. Recoating Interval	24H	8H	4H	2H

Recommended System

Subsequent coat: Waterborne epoxy resin coating, waterborne polyurethane coating, etc..

Storage

6 months in a dry, ventilated and cool place under sealed container, away from heat and fire.

For professional use only!