

WEP-PR0612 Waterborne Epoxy Anti-Corrosion Primer

Product Description

WEP-PR0610 is a 2k waterborne epoxy resin anti-corrosion primer.

Typical Use

Used as an anti-corrosion primer on indoor and outdoor steel structures, port machinery, amusement facilities, construction machinery, transformers, electromechanical equipment, and pump motors. Combining with waterborne acrylic polyurethane or other types of topcoats provides excellent corrosion resistance and decorative performance.

Physical Parameter

Color available	Iron Red, Gray and customized.
Gloss	≤10,21~40
VOC (g/L)	<100
Volume Solids	50±2%
Density (g/ml)	1.42
Dry film Thickness(μm)	30~60
Theoretical Coverage	10.00 m ² /L, 7.04 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: 30~85μm (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 85%. 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				
8	1	WEH412	5~10Min	4H	Deionized water

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	1.5~2.5mm	0.28~0.43mm	Be applicable	Be applicable
Pressure	0.3~0.4MPa	15MPa		

Drying Time

Temperature of substrate	10℃	23℃	30℃	40℃
Surface Dry Time	2H	1H	30Min	20Min
Full Drying Time	24H	18H	12H	8H
Min. Recoating Interval	24H	12H	6H	4H

Recommended System

Subsequent coat: Waterborne epoxy coating, waterborne acrylic coating, waterborne polyurethane coating.

Storage

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

For professional use only!