

WEP-MC5241 Waterborne Epoxy MIO Mid Coat

Product Description

A 2K waterborne epoxy resin anti-corrosion primer.

Typical Use

As an intermediate coat, it forms a long-lasting anti-corrosion system when used with waterborne epoxy zinc-rich primers, waterborne epoxy primers, and weather-resistant topcoats. Recommended for corrosion protection of steel structures in factories, commercial buildings, machinery, docks, stations, petrochemical and power facilities, bridges and etc.

Physical Parameter

Color available	Iron Red, Gray and customized.
Gloss	≤10, 21~40
VOC (g/L)	<180
Volume Solids	65±2%
Density (g/ml)	1.75
Dry film Thickness(μm)	50~120
Theoretical Coverage	13.0 m ² /L, 7.4 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 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				
11	1	WEH410	5~10Min	4H	Deionized water

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	1.5~2.5mm	0.33~0.48mm	Be applicable	Be applicable
Pressure	0.3~0.4MPa	15MPa		

Drying Time

Temperature of substrate	10℃	23℃	30℃	40℃
Surface Dry Time	3H	2H	1H	30Min
Full Drying Time	36H	24H	12H	6H
Min. Recoating Interval	24H	12H	4H	2H

Recommended System

Previous coat: waterborne epoxy coating, waterborne epoxy zinc-rich coating, waterborne inorganic zinc-rich coating

Subsequent coat: waterborne epoxy 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!