

WFC-TC0482 Waterborne Fluorocarbon Topcoat

Product Description

WFC-TC0482 is a 2k Waterborne fluorocarbon topcoat.

Typical Use

It is recommended to use with zinc-rich primer, applied on the surface of steel structures, bridges, petrochemical industry, thermal and wind power generation and marine engineering under ISO 12944-2: 2017 C4 and C5 corrosion environment which needs ultra-durable weather resistance.

Physical Parameter

Color available	Mid Gray, Iron Red, Black, Light Gray, White, Blue, Green, Red, Yellow, and customized.
Gloss	50~70
VOC (g/L)	<150
Volume Solids	35±2%
Dry film Thickness(μm)	40~50
Density(g/ml)	1.2
Theoretical Coverage	8.75m ² /L, 7.29 m ² /kg

Substrate Preparation

The surface of the substrate should be clean and dry, free from oil, dust and other contaminations.

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				
21	3	WPH117	/	4H	Deionized water

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	1.5~2.5mm	0.18~0.33mm	Be applicable	Be applicable
Pressure	0.3~0.5MPa	15MPa		
Dilution	10~15%	0~10%	About 10%	About 10%

Drying Time

Temperature of substrate	10°C	23°C	30°C	40°C
Surface Dry Time	1.5H	1H	40Min	20Min
Full Drying Time	24H	18H	12H	8H
Min. Recoating Interval	24H	18H	12H	8H

Recommended System

Previous coat : Waterborne epoxy zinc-rich primer, epoxy MIO intermediate coat.

Storage

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

For professional use only!