

SFC-TC0482 Fluorocarbon Topcoat

Product Description

SFC-TC0482 is a 2k fluorocarbon topcoat, compliant with HG/T 3792-2014 and JT/T 722-2023 technical standards, with resistance to artificial weathering for up to 5000 hours.

Typical Use

As a high-performance topcoat, it is designed for highly corrosive environments requiring long-term aging resistance. It is suitable for ultra-weather-resistant decorative and anti-corrosion protection on steel surfaces in airports, stations, bridges, tunnels, stadiums, petrochemical plants, ports, power facilities, and various industrial equipment, and storage tanks.

Physical Parameter

Color available	Mid Gray, Iron Red, Black, Light Gray, White, Blue, Green, Red, Yellow, and customized.
Gloss	61~80
Flash Point °C	28
VOC (g/L)	440
Volume Solids	52±2%
Dry film Thickness(μm)	40
Density (g/ml)	1.28
Theoretical Coverage	13 m ² /L, 10.16 m ² /kg

Substrate Preparation

The surface of 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 85%.
- (2) When applying below freezing temperatures, ensure the surface is free of ice.
- (3) For applications in confined or enclosed spaces, increase ventilation during application and drying.

Application

Mixing Ratio (by Weight)		Hardener	Induction Time (23±2°C)	Pot Life (23±2°C)	Thinner
Part A	Part B				
8	1	FH166	10Min	4H	ZSX1210

Methods	Air Spraying	Airless Spraying	Brush	Roller
Dilution	5~15%	5~10%	5~10%	
Nozzle	1.5~2.5mm	0.33~0.45mm	Be applicable	
Pressure	0.3~0.5MPa	15MPa		

Drying Time

Temperature of substrate	5℃	10℃	23℃	40℃
Surface Dry Time	5H	2.5H	1.5H	0.5H
Full Drying Time	24H	12H	8H	4H
Min. Recoating Time	24H	12H	8H	4H

Recommended System

Previous coat: Epoxy paint, Polyurethane paint

Subsequent coat: Polyurethane varnish, Fluorocarbon varnish

Storage

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

For professional use only!