

SPU-TC0467 High Solid Acrylic Polyurethane Topcoat

Product Description

SPU-TC0467 is a high solids, low VOC and environmentally friendly coating, using hydroxy acrylic resin as the film-former and aliphatic isocyanate as the hardener.

Typical Use

As a topcoat for high-performance coatings such as epoxy coatings, it enhances corrosion resistance and decoration. It is recommended to be used on the surface of steel structure of airports, bridges, petrochemical industry, marine engineering, metal smelting, harbor machinery, etc. in severe corrosive industrial environment or marine environment.

Physical Parameter

Color available	Mid Gray, Iron Red, Black, Light Gray, White, Blue, Green, Red, Yellow, and customized.
Gloss	61-80
VOC (g/L)	305
Volume Solids	65±2%
Density(g/ml)	1.3
Dry film Thickness(μm)	40~60
Flash point °C	27
Theoretical Coverage	13.0 m ² /L, 10.00 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 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	PH190	15Min	5H	ZSX1010

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	1.5~3.0mm	0.28~0.43mm	Be applicable	Be applicable
Pressure	0.3~0.5MPa	15MPa		
Dilution	10~15%	5~10%	5~10%	5~10%

Drying Time

Temperature of substrate	5℃	10℃	23℃	30℃
Surface Dry Time	3H	2H	1.5H	1H
Full Dry Time	16H	12H	8H	6H
Min. Recoating Interval	24H	16H	12H	8H

Recommended System

Previous coat : epoxy primer, polyurethane primer

Subsequent coat : polyurethane or fluorocarbon varnish

Storage

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

For professional use only!