

SPU-TC0430 High Gloss Acrylic Polyurethane Topcoat

Product Description

SPU-TC0430 is a 2K Acrylic Polyurethane Topcoat.

Typical Use

It serves as a high-gloss topcoat compatible with zinc-rich primers and epoxy anticorrosive systems. It can be used on the surface of steel structure, engineering machinery, special vehicles, etc. to enhance both corrosion resistance and decoration.

Physical Parameter

Color available	Mid Gray, Iron Red, Black, Light Gray, White, Blue, Green, Red, Yellow, and customized.
Gloss	>80
VOC (g/L)	392
Volume Solids	55±2%
Density(g/ml)	1.2
Dry film Thickness(μm)	40~60
Flash point ℃	27
Theoretical Coverage	11.0 m ² /L, 9.17 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℃)	Pot Life (23±2℃)	Thinner
Part A	Part B				
5	1	PH130	15Min	4H	ZSX1010

Methods	Air Spraying	Airless Spraying	Brush	Roller
Nozzle	1.5~2.5mm	0.28~0.53mm	Be applicable	Be applicable
Pressure	0.3~0.5MPa	15MPa		
Dilution	0-5%	5-10%	5-10%	5-10%

Drying Time

Temperature of substrate	0℃	10℃	23℃	40℃
Surface Dry Time	5H	2H	30Min	10Min
Full Dry Time	18H	10H	4H	2H
Min. Recoating Interval	18H	10H	4H	2H

Recommended System

Previous coat : epoxy primer, polyurethane primer

Subsequent coat : polyurethane varnish

Storage

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

For professional use only!