

SPU-PR0651 Polyurethane Topcoat

Product Description

A 2K polyurethane primer.

Typical Use

Primarily used as a protective primer and intermediate coat for construction machinery, mechanical equipment, and components. It features fast drying and excellent adhesion. The surface requires a UV-resistant topcoat and is not suitable for direct sunlight exposure.

Physical Parameter

Color available	Gray, Iron Red and customized.
Gloss	21~40
Volume Solids	47 ± 2%
VOC (g/L)	461
Dry film Thickness(μm)	30~50
Flash point °C	29
Density (g/ml)	1.41
Theoretical Coverage	9.0 m ² /L, 6.38 m ² /kg

Substrate Preparation

- (1) The surface of the primer or intermediate coat should be clean and dry, free from oil, dust and other contaminations.
- (2) When used as a primer, the surfaced should be blast cleaned to Sa 21/2 (ISO 8501-1:2007), or power tool cleaned to St3.
- (3) Phosphating Treatment is Applied to the Surface of Carbon Steel.

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				
5	1	PH126	15Min	4H	ZSX1010

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

Drying Time

Temperature of substrate	0℃	10℃	23℃	40℃
Touch Dry Time	2H	1H	20Min	10Min
Full Dry Time	24H	16H	12h	8H
Min. Recoating Time	18H	12H	8H	6H

Recommended System

Previous coat: epoxy primer, polyurethane primer

Subsequent coat: polyurethane paint

Storage

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

For professional use only!