



دهانات جدة
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JP Polyurethane Topcoat 80-100

Product Data Sheet

Product Description: JP Polyurethane Topcoat is a high-performance polyurethane topcoat specifically designed for steel structures exposed to atmospheric conditions. This two-component coating system offers excellent weather resistance, durability, and aesthetic appeal and is UV resistant.

Area of Use: Recommended as a topcoat in advance protective coating systems for structural steel exposed to outdoor environments, industrial facilities, bridges and infrastructure, and architectural metal work.

PHYSICAL CONSTANTS	
Colour	Standard Colour Card
Appearance	Glossy
Solid Volume	60%
Theoretical Coverage	12 M ² @ 50 micron DFT
Density	1.35 Kg/L
Touch dry	3 to 4 hours at 20° C.
Full Cure	5 days at 20° C.
Flash Point	30° C. Closed Cup
VOC	323 g/l

APPLICATION DETAILS	
Application method	Airless, Air spray, brush or roller
Thinner	PU Thinner
Thinner %	5% for airless spray , 15% for air spray
Airless nozzle orifice	.015" to .017"
Airless nozzle pressure	1500 psi
Recommended DFT	50 to 100 microns
Recommended WFT	85 to 165 microns
Mixing ratio	1:10 by volume
Pot life	2 hours at 20° C.

Note: The paint shall be thoroughly mixed prior to application. Practical spreading rate/consumption will vary and is influenced by the porosity and nature of the substrate, micro-environment, application method and workmanship.

Application Conditions: Application temperature above 5°C and humidity below 85%. Adequate ventilation to be provided during application and drying. Do not apply in severe weather conditions.

Surface Preparation and Application: : Remove dust, loose material and any other contamination. Ensure that the previous coat is fully cured and dry.

Preferred application method is by airless / air spray. Brush application for small area and touch up. It can also be applied by roller.

Preceding Coats : JP Epoxy Primer or JP Epoxy Intermediate coat.

Subsequent Coats: As per specification.

Storage: Follow local legislation for storage. Avoid storage in direct sunlight preferably covered area with maximum temperature of 40°C and not below 5°C, protect from rain.

Shelf Life: 2 years when stored in shaded spaces.

Safety : Observe all safety labels on packaging and paint containers during application. Follow Material Safety Data Sheets and all local or national safety regulations. Application should be done only in well ventilated areas. Take precautions with contact with skin, eyes, inhalation. Take precautions against possible risks of fire or explosions and protect the environment. For professional use only.