



DESCRIPTION

A two-component, chemically cured aliphatic acrylic polyurethane coating. It boasts a quick drying time, and once cured, the film delivers outstanding gloss and color retention, making it exceptionally durable for outdoor use. It is ideal as an abuse and UVR resistant topcoat in atmospheric conditions. It is recommended for use in various settings, including engineering machinery, large transformers, logistics truck bodies, chemical and petrochemical plants, and steel structures.

FEATURES

- ▶ Strong chemical resistance
- ▶ High durability
- ▶ High gloss retention
- ▶ Non-yellowing / Excellent UV stability

COMPOSITION

- ▶ Acrylic polyol resin
- ▶ Aliphatic polyisocyanate hardener

SPECIFICATION DATA

Color: White and custom colors

Finish: Glossy

Clean up solvent: Xylene

Solids: Volume: 48%

Flash Point (°C): 40±3

VOC Emission (g/L): ≤420

Application Temperature: 5°C–40°C

Dry Time: 77° F (25°C) & 75% RH:

To touch – 15 minutes. To recoat – 2 hours

Recommended film thickness and coverage

Film Thickness	Dry Film Thickness (µm)	Wet Film Thickness (µm)	Theoretical Coverage (m ² /L)
Minimum	40	89	11.3
Maximum	80	178	5.6
Typical	60	133	7.5

Potlife after mixing

Ambient Temperature	Hardener Type	Thinner Type	Pot Life
5°C	Fast-drying	Fast-drying	10 hours
15°C	Fast-drying	Fast-drying	8 hours
23°C	Standard	Standard	5 hours
40°C	Standard	Standard	4 hours



SURFACE PREPARATION

NEW STEEL SURFACES

Ensure the substrate is clean, dry, and free from contaminants such as oil, dust, rust, and mill scale to achieve optimal adhesion. Use degreasers, high-pressure fresh water for cleaning, and sandblast to Sa2.5 grade. For temporary protection, apply shop primer if needed. Before final coating, manually sandblast to clean damaged areas, welds, or contaminants, and repair with this product.

Refurbishment and Maintenance

Clean oil and grease using suitable cleaning agents. Remove salts and other contaminants with high-pressure fresh water. Use power tools to clean damaged areas to St3 level (localized repair) or sandblast to Sa2 level.

DIRECTIONS FOR USE

RECOMMENDED PRIMERS

Application Method	Thinning Ratio	Nozzle Size (mm)	Spraying Pressure (MPa)	Spraying Distance (cm)
Airless Spraying	5-15%	0.42-0.53	15-20	40-50
Air Spraying	20-30%	1.5-2.0	0.4-0.6	30-40
Brushing/Rolling	0-5%	N/A	N/A	N/A

Iron Oxide Anti-Corrosion Primer
2K Epoxy Primer
Poly Urethane Intermediate Coat

SHIPPING

Freight Classification:
Combustible

Packaging: 1 gallon (3.785L)
5 gallon (18.925L)

Flash Point (°C): 40±2

LIMITATIONS OF LIABILITY

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