



JLBJ004 WATERBORNE POLYURETHANE TOPCOAT

Technical Data Sheet

Properties and uses:

This product is a two-component polyurethane topcoat based from aliphatic isocyanate and hydroxyl-containing water-based polyurethane resin and together with weather-resistant pigments and additives.

- It has excellent weather resistance, gloss retention and color retention.
- The paint film is tough and has a good decorative effect.
- It preserves good chemical resistance and water resistance.
- It also equip itself with good impact resistance and abrasion resistance.

This product is used for decoration and protection of vessels, containers, railway vehicles, automobiles, agricultural vehicles, construction machinery, industrial equipment, various steel structures, etc. It is suitable for application with higher requirements on mechanical strength, decoration and weather resistance of paint film.

Physical Parameters:

Color:	A range of colors
Sheen:	Matte
Standard film thickness:	Wet film: 90 μm Dry film: 40 μm
Theoretical Coverage:	11.1m ² /L
Specific Gravity	Approx.1.20

Application Note:

Mix Ratio: Two-component, A:B=9:1 (By Weight)

Pot Life: (20°C) 3hrs

Application Method:	Airless Spray	Air Spray	Brush/Roller
Tip Range: (Graco)	163T-619/621	2-3mm	
Spray Pressure (Mpa):	10-15	0.3-0.4	
Thinning (by Volume):	0-5%	5-15%	5-15%

Drying Time:

Substrate Temperature (°C)	Touch Dry (h)	Hard Dry (h)	Overcoat Interval	
			Min.(h)	Max.(d)
5	8	36	30	7
10	6	30	24	7
23	2	24	16	7

SURFACE PREPARATIONS:

The surface of the substrate coated with primer must be clean and dry, and the surface dirt shall be removed with appropriate detergent and high-pressure fresh water. For painting on the old epoxy or polyurethane

paint film, the old paint surface should be brushed.

Application Conditions:

Coating shall be made at a temperature range of 10-30℃ with a relative humidity below 85%, the surface temperature of the substrate shall be 3℃ above the dew point, and the temperature and humidity should be measured near the substrate. It is recommended not to carry out coating construction when substrate's surface temperature is over 40 ℃. Coating may not be made in severe weather such as rain, snow, sandstorm, etc.,

Relevant Products:

Previous Coating: Waterborne Inorganic Zinc Silicate Primer
 Waterborne Epoxy zinc rich primer
 Waterborne Epoxy thick coat or polyurethane primer

Package & Specification:

Base:	18L
Curing Agent:	2L