



**JLBJ002 WATERBORNE
POLYURETHANE TOPCOAT**
Technical Data Sheet

Properties and uses:

- The two-component waterborne coating consisting of waterborne hydroxy acrylic resin, waterborne PU curing agent, pigments, auxiliary agent and deionized water.
- It utilize water as the dispersion medium, ,non-flammable, non-explosive, and low-pollution.
- Easy to use, fast drying with high construction efficiency.
- Favorable anti-rust and anti-corrosion properties
- Excellent mechanical strength and wear resistance.
- Excellent weather resistance and decorative properties.
- This product is used for decoration and protection of vessels, containers, railway vehicles, automobiles, agricultural vehicles, construction machinery, 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 or High Gloss
Standard film thickness:	Wet film: 75μm Dry film: 40μm
Theoretical Coverage:	13.3m ² /L

Application Note:

Mix Ratio:	Two-component, A:B=9:1 (By Weight)		
Thinner:	De-ionized water		
Pot Life:	2h		
Application Method:	Airless Spray	Air Spray	Brush/Roller
Tip Range: (Graco)	163T-619/621	2-3mm	
Spray Pressure (Mpa):	12-15	0.3-0.4	
Thinning (by Volume):	0-5%	0-15%	0-5%
Tool's Cleaner:	Tap Water		

Drying Time:

Substrate Temperature (℃)	Touch Dry (h)	Hard Dry (h)	Recoat Interval (h)	
			Min.	Max.
10	6	24	12	No limitation
20	3	12	6	..
30	2	8	4	..

SURFACE PREPARATIONS:

The surface of the substrate coated with inter-primer or primer must be clean and dry, and dirt adhered to the surface shall be removed with appropriate detergent and high-pressure fresh water.

Application Conditions:

Coating shall be made at a temperature range of 5-30℃ with a relative humidity below 95%, 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:

Two-component waterborne epoxy primer
Waterborne epoxy zinc rich primer
Waterborne two component polyurethane intermediate coat

Package & Specification: 20L or 10L

Storage: This product shall be stored in a cool, dry and ventilated indoor warehouse with a storage period of one year in ambient temperature.

Safety Any fire source is extremely prohibited near paint preparation spot and application site, proper ventilation is required for mixing and application relevant to this product. Painters have to equip themselves with protective measures so as to prevent the eyes, skins, etc., from injured by the paint mist. If the paint splashes on the skin, it should be washed with soap and water immediately, and then seek medical attention.

Statement

1. The protective effect of any coating depends to a large extent on the coating work, the coating's service life is directly affected by the surface treatment, thickness of paint film and other painting factors, therefore, the users should meet the agreed Application Conditions when using this product.
2. The data shown in this manual are theoretical values or the one accumulated through experiments and some data may be changed without prior notice along with the product's continuous improvement.
3. The company is only responsible for the quality of the coating product itself when the company's technicians are not at the coating site.