



JLBJ003 WATERBORNE POLYURETHANE VARNISH

Technical Data Sheet

Properties and uses:

- The two-component waterborne varnish consists of waterborne epoxy resin, curing agent, auxiliary agent and deionized water.
- It utilizes water as the dispersion medium, it is non-toxic, odorless, non-flammable and explosive, safe and convenient to use.
- The viscosity can be adjusted with tap water. The paint film dries quickly, therefore, the usage of this product could reduce the cost while improve the efficiency.
- This product is able to form tough paint film that has excellent adhesion to both the primer and topcoat.
- Excellent water resistance and alkali resistance. It can be widely used for rust prevention, anti-corrosion and decoration in transportation industries, i.e. vessels, trains, automobiles and other means of transportation, marine facilities, i.e. containers, platforms, wharves, pipelines and storage tanks in petrochemical plants, as well as the steel components in metallurgy, electric power, food, textile and other industries.

Physical Parameters:

Color:	As per customer requirements
Sheen:	High Gloss
Standard film thickness	40 μm
Dry film:	20 μm (Aver.)
Theoretical Coverage:	Approx. 15m ² /L

Application Note:

Mix Ratio:	Two-component, A:B=6:1 (By Weight)		
Thinner:	De-ionized water or clean tap water		
Pot Life:	3h (20°C)		
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 ~ 10%
Tool's Cleaner:	Tap Water		

Drying Time:

Substrate Temperature (°C)	Touch Dry (h)	Hard Dry (h)	Recoat Interval (h)	
			Min.	Max.
10	4	12	24	No limit
20	2	8	12	..

30	1	4	6	..
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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 paint film, the old paint surface should be brushed.

Application Conditions:

Coating shall be made at a temperature range of 5~30℃ 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:

Two-component waterborne epoxy anti-corrosion primer
Waterborne epoxy zinc rich primer
Waterborne two component polyurethane Primer
Waterborne two component polyurethane intermediate coat
Waterborne two component polyurethane topcoat

Package & Specification:

Component A: 20 L
Component B: 2 L

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

Safety 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.