JLB005 WATERBORNE
HIGH BUILD ONE COAT PAINT
Technical Data Sheet

Properties and uses:

The waterborne one coat paint consists of waterborne acrylic emulsion resin, pigments, fillers, additive and deionized water.

- It utilizes water as the dispersion medium, it is non-toxic, pollution-free, with extremely low VOC content which is more than 95% less than the use of conventional paint. Its viscosity could be adjusted by water, it is non-flammable and non-explosive, safe and convenient to use.
- It's suitable for a variety of coating processes, the construction is simple and save you a lot of materials
- The paint film dries quickly, therefore, the usage of this product could reduce the cost while improve the efficiency.
- The paint has good permeability, therefore, the resulted coat has an extremely perfect sealing and robust adhesion force.
- The paint film is tough with excellent resistance to water and alkali.
- For obtaining a coating with the same performance to the conventional primer plus topcoat, the construction of one coat paint could reduce half of the workload comparing to the one involving the primer and topcoat separately.
- The dense paint film can protect the substrate from corrosion by carbonization, it has strong weathering resistance and corrosion resistance, which would further greatly improve its safety.
- The paint film's surface is smooth, with uniform color, it allows a reduction to the production cost.

It is suitable for decoration and protection of various steel structures, railway freight wagons, vehicles, agricultural machinery, industrial equipment, vessels, etc.

Physical Parameters:

Color:	Black & a range of colors
Sheen:	Matte
Standard film thickness:	
Wet film:	90μm
Dry film:	30μm
Theoretical Coverage:	11.1m^2/L
Specific Gravity	Approx.1.25

Application Note:

Mix Ratio: Single Component, it can be used directly

Thinner: De-ionized water

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)	Overcoat Interval (h)	
			Min.	Max.
5	6	12	48	No limitation
20	1.5	6	12	..
30	1	4	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:

Waterborne Epoxy Resin Primer
Waterborne Acrylic Anti-rust Primer
Waterborne epoxy primer
HJ120 Modified Epoxy General Primer

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.