JLH002 TWO-COMPONENT WATERBORNE EPOXY PRIMER

Technical Data Sheet

Properties and uses:

- The two-component waterborne coating consisting of waterborne epoxy resin, pigments, fillers, curing agent, additive and deionized water.
- It utilities 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.
- The paint has good permeability, good sealing and strong adhesion force. The paint film is tough with excellent resistance to water and alkali.

It can be widely used for rust prevention, anti-corrosion and decoration in transportation industries, i.e. vessels, trains, freight wagon, passenger wagon, 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:	Rouge & a range of colors
Sheen:	Matte
Standard film thickness	105 μm
Dry film:	40μm(Aver.)
Theoretical Coverage:	Approx. 9.5m^2/L
Specific Gravity	1.35

Application Note:

Mix Ratio: Two-component, A:B=4:1 (By Weight)
Two-component, A:B=3:1 (By Volume)

Thinner: De-ionized water

Pot Life: 2h (20℃)

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 (℃)	Touch Dry (h)	Hard Dry (h)	Overcoat Interval (h)	
			Min.	Max.
10	8	48	24	No

				limitation
20	4	24	12	..
30	2	12	6	..

SURFACE PREPARATIONS:

For new steel surface, abrasive blast clean to Grade Sa21/2 or Grade St3 (ISO 8501-1:2007) , for steel surface coated with workshop primer, spots where vanish damage or rust existed shall be blast cleaned to Grade Sa21/2 or Grade St3 (ISO 8501-1:2007) . The surface of workshop primer that has produced zinc salt shall be cleaned by sweeping spray or high-pressure fresh water, weld joint and burnt parts shall be treated or cleaned to Grade Sa21/2 or Grade St3.

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:

Waterborne Epoxy Anti-Corrosion Topcoat
Waterborne polyurethane intermediate coat
Waterborne Polyurethane topcoat
Waterborne Acrylic Modified Alkyd Topcoat

Package & Specification: Component A: 20 L
Component B: 4 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.