

JT-204D Water-based anticorrosion primer

Introduction:

JT-204D is a new environment-friendly anticorrosion primer. It's made from water-based modified alkyl emulsions, nano-functional materials, rust inhibitors and related additives, no organic solvent. Anticorrosive pigment with high heavy metal content, such as mercury and lead, isn't added.

Application:

JT-204D can be applied for anticorrosive priming on the surface of general steel structural building, mechanical equipment and other metals. It can still maintain good anticorrosion property in the mildly corrosive environment. Beside equipped with jointas top painting, it can be applied as primer to match various solvent anticorrosion painting and other industry paintings for metal substrate.

Package:

17.5L drum, 20 kg/drum

Advantages:

- Low VOC, no pollution while construction, not flammable or explosive, safety for transportation and storage.
- Excellent flashing rust resistance and anticorrosion property.
- Good sealing of painting film, good early water resistance.

Physical parameters:

Lustre	Flatting	Tack free time	≤0.5h(25°C, humidity 50%)
Color	Iron oxide red, medium gray, iron oxide black	Complete dry time	≤5h(25°C, humidity 50%)
Volume solid content/%	About 40	Impact resistance	50cm
Theoretical coating rate	6.0m ² /kg (measured as a 50-micron dry film)	Recoating time	Minimum 4h, maximum 48h(25°C)
Specific weight	About 1.32kg/L	adhesion	Level 1
VOCs	≤80g/L	Complete curing time	7d(25°C, humidity 50%)

Equipped system:

Working procedure	Product name	Coating times	Thickness of dry film
1	JT-204D Water-based anticorrosion primer	1-2	50-100 μ m
2	JT-205M Water-based anticorrosion top painting	1-2	50-100 μ m
	Total		100-200μm

Surface treatment:

Remove dirt such as grease with appropriate cleaning agent. Clean salt stains and other dirt with high-pressure fresh water. As for new steels, generally sandblasting to Sa2.5 or manually sanding to St3, surface roughness is recommended to be controlled at 40-75 μ m. Construction within 6 hours after sandblasting is the best plan.

Construction instructions:

1. High-pressure airless spray is recommended to gain the homogenous coating film.
2. Before construction, painting should be stirred evenly, the standard is not discolored for 30 seconds. If the viscosity is too thick, clean tap water could be added to dilute the painting to proper construction thickness. In order to ensure the quality of painting film, the amount of water is recommended to be 0%~10% of the weight of original painting.
3. If various construction is applied, the latter coating must be done after the surface of the previous coating film is dry.
4. Construction environment: relative humidity is less than 85%, surface temperature of construction is more than 0 $^{\circ}$ C and 3 $^{\circ}$ C above the dew point temperature. Equipment is required to maintain ventilation in small and enclosed environment.
5. Outdoor construction can't be done in rainy, snowy and foggy weather. If constructed, it can be covered with tarpaulin to protect the coating film.