

Water-Based Black Sealant PB-951

(For Black Passivation Sealing of Barrel Zinc Plating)

水性黑色封闭剂（适用于滚镀锌黑色钝化封闭）PB-951

一、Introduction

1. Chromate-free and compliant with EU RoHS standards.
2. Suitable for all types of electro-galvanized coatings.
3. Effectively enhances the protection performance of various passivation films, reaching **200 - 500 hours** in neutral salt spray test.

二、Operating Parameters

Item	Rack Plating		Barrel Plating	
	Optimum	Range	Optimum	Range
PB-951 Concentration	250 mL/L	200 - 300 mL/L	700 mL/L	600 - 800 mL/L
pH Value	8 - 9	—	8 - 9	—
Immersion Temperature	25 ° C	15 - 50 ° C	25 ° C	15 - 50 ° C
Immersion Time	10 s	5 - 20 s	10 s	5 - 20 s
Drying Temperature	150 ° C	120 - 180 ° C	150 ° C	120 - 180 ° C
Drying Time	30 min	20 - 40 min	30 min	20 - 40 min

三、Process Flow

Electro-galvanizing → Triple Rinsing → Bright Dipping → Double Rinsing → Passivation → Triple Deionized Water Rinsing → Air Blow / Spin Drying → Immerse in PB-951 Sealant → Air Blow / Spin Drying → Drying

四、Notes

1. For better results, spin dry workpieces after passivation and rinsing before sealing.
2. Ensure workpieces are fully blown dry prior to drying after sealing.
3. Prevent acid from entering the sealant, otherwise flocculent precipitate will form and shorten the service life of the solution.
4. Seal the product tightly after use to avoid water evaporation and solidification.