

Type

Water-soluble Acrylic Resin
Solid Content: 50%

Application

Applied to high temperature amino baking paint for iron, aluminum, stainless steel, galvanized and other metal substrates.

Characteristics

- 1、Excellent recoating
- 2、Good constructability
- 3、Good metal adhesion and chemical resistance

Property

Component :	Water-soluble Acrylic Resin
Appearance:	Light yellow liquid
Solid Content (%):	50±2
Viscosity (mPa.s/25°C):	500-5000
PH value:	8±1
fineness (μm):	≤15

Storability

If the original package is intact, it can be stored at 20 ° C for 6 months after delivery. The recommended storage temperature range is 5°C-30°C. If it is frozen or the temperature exceeds 30 ° C, it may affect the viscosity of the product, the average particle size and may eventually lead to precipitation or caking. If contaminated by bacteria, fungi or algae, it can cause irreversible effects on the product.

Packing

50kg/ barrel; 200kg/ barrel

Safety

This product contains solvent, must take protective measures, careful operation, avoid contact with skin and eyes, other details please refer to the material safety manual.

Reference formula

YWA2015 Water-soluble Acrylic Resin

Material	Content (g)
YWA2015	70
cyanil 303	11.6
TEGO-270	0.1
isobutanol	5
Ethyl alcohol	6.3
BCS	7
Total	100

Impregnated silver paste

Material	Content (g)
Water-based silver powder	7
BCS	8
H ₂ O	5
Silver powder paint for aluminum profiles	
Material	Content (g)
YWA2015 Water-soluble Acrylic Resin	80
silver paste	20
Total	100

Construction technology

- 1、substrate: tinplate, polished stainless steel/galvanized plate/aluminum plate.
- 2、baking conditions: Flash dry for 5-8min, 160°C/25-30min, and test the performance after cooling.

Inspection technical index

Test item	Detection result	Reference standard
Hardness	2H	GB/T6739-96
Gloss (60°)	91°	GB/T9754
Impact resistance	Positive recoil 50cm/1kg:OK	GB/T1732
Tinplate adhesion	0 level	GB/T9286
Adhesion of stainless steel	0 level	GB/T9286
Cold-rolled steel plate adhesion	0 level	GB/T9286
Repaint adhesion	0 level	GB/T9286
Aluminumplate adhesion	0 level	GB/T9286
Galvanized plate boiled 2H	0 level	Enterprise standard
The aluminum plate is boiled for 2H	0 level	Enterprise standard
Stainless steel boiled 2H	0 level	Enterprise standard
Alcohol resistance 1000g	> 200 times	Enterprise standard
RCA resistant	> 100 times	Enterprise standard
Resistant to neutral salt spray	> 30 days	Enterprise standard
Resistant to butanetin 500g	> 200 times	Enterprise standard
40°Soak in water	> 30 days	Enterprise standard