

The product must be neutralized with ammonia or other amines before being dispersed with water.

The resin has good water dispersion stability, and can also be grinded with pigments and fillers.

It offers a fast drying, high gloss, as well as good water resistance, good corrosion resistance characteristics.

BG-RA1753-75S1

1K Waterborne Alkyd Resin | Air-drying | Baking |



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BO GAO®
绿色化学·美好生活
博高合成
BOGAO SYNTHETIC MATERIAL CO.,LTD.

Value proposition

- Fast drying speed
- High gloss, good fullness
- Excellent water resistance, weather resistance, and corrosion resistance
- Excellent mechanical performance
- Excellent shear stability and grindability
- Good wettability of pigments and fillers
- Good storage stability
- Product not neutralized



Target applications

It is used to prepare water-based air drying anti-corrosion paint, especially for metal substrate, and can be used as general paint on primer and topcoat.



Specifications

Appearance	Transparent liquid
Color	Yellow to brown liquid
Viscosity	30000--60000CPS
Solid content	75 ± 2
Acid value	<30mgKOH/g (75%)
Solvent	Ethylene glycol monobutyl ether

52%RA1753-75S1 Neutralization formula:

RA1753-75S1 needs to be pre neutralized with ammonia or amine until water soluble before use. Considering the final storage stability of the paint, it is recommended to use triethylamine to neutralize the formula and adjust the PH value to 8.5-9.5

NO	Raw Material			%
1	RA1753-75S1	BoGao博高	Resin(树脂)	69.40
2	BCS(乙二醇丁醚)	-	Cosolvent(助溶剂)	14.50
3	TEA(三乙氨)	-	Neutralizer(中和剂)	3.30
4	W(去离子水)	-	Deionized water(水)	12.80
	总计	-	-	100

Iron-red Primer Formula

*No.1-9 is the feeding and grinding section, and the viscosity can be adjusted by adding the following solvent appropriately;
*No.10-17 is the paint mixing section.

NO	Raw Material		%
1	52% RA1753-75S1	Resin(树脂)	35.00
2	BYK-190	Dispersant (分散剂)	1.00
3	TEGO 902W	Defoamer (消泡剂)	0.20
4	LT	Thixotropic agent (触变剂)	0.40
5	Iron -red(氧化铁红)	Antirust pigment (防锈颜料)	12.00
6	ZPO	Antirust pigment (防锈颜料)	4.00
7	ZP10	Antirust pigment (防锈颜料)	4.00
8	Barium sulphate 100 mesh(硫酸钡800目)	Filler (填料)	14.00
9	Talc 1250 mesh(滑石粉1250目)	Filler (填料)	7.50
10	HLD-061	Drier (催干剂)	0.80
11	TEGO 450	Leveling agent (流平剂)	0.30
12	FA 179	Flashrust inhibitor (抗闪锈剂)	0.40
13	902	Deformer (消泡剂)	0.20
14	280	Wetting agent (基材润湿剂)	0.20
15	0445	Anti-skinning agent (防结皮剂)	0.20
16	BCS(乙二醇丁醚)	Solvent (溶剂)	2.00
17	W(去离子水)	Solvent (溶剂)	17.80
18	TEA(三乙氨)	PH Regulator (调整剂)	Appropriate amount(适量)
	总计	-	100

Iron-Red Primer: Excellent initial flash rust resistance, water resistance, and corrosion resistance

Primer water resistance:

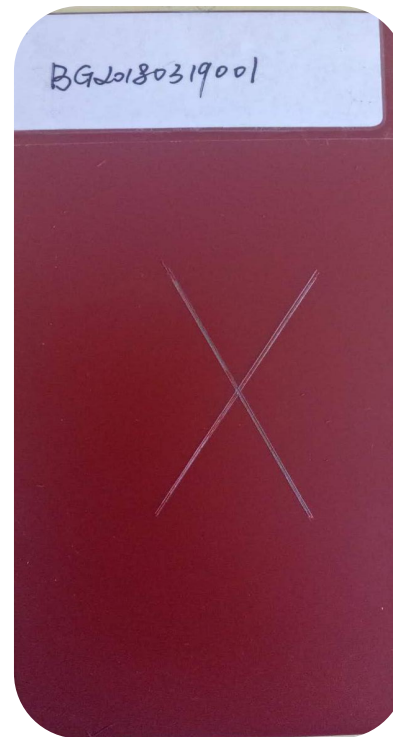
- SA2.5 sandblasted steel plate
- Film thickness 44-49 μM
- Paint film air-dried 7 days
- Water resistance 1200h



**PASS-No
Blisters**

Iron red primer resistant to 5% neutral salt spray

- SA2.5 sandblasted steel plate
- Film thickness 45-49 μ M
- Paint film air-dried 7 days
- Neutral salt spray 240h



Before



The paint film is fine

After

Iron red primer saline immersion resistance
neutral 3% salt water

- Film thickness 48-53 μM
- Paint film air-dried 7 days
- neutral 3% salt water 168 hours
- SA2.5 sandblasted steel plate



Waterborne Alkyd Resin BG-RA1753-75S1

Application

Application: C2-C3 corrosive environment, steel structure buildings, fences, scaffolding, road guardrails, etc



Waterborne Alkyd Resin

BG-RA1753-75S1

谢谢!

Thank you!

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Your technical inquiry or sample request are sincerely welcome!

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- For further information please contact • inquiries can also be sent via:
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