

YWA2200

水溶性丙烯酸树脂

特性

- 1、硬度好，光泽高
- 2、银粉排列效果佳
- 3、耐水煮效果佳（金属底材）
- 4、耐水及耐化性优异（金属底材）
- 5、对金属/玻璃基材附着力佳

用途

适用于水性金属/玻璃表面涂装。

性质

特性	数值	单位
组份	水溶性丙烯酸树脂	
外观	浅黄色半透明粘稠液体	
固体份	70±2	%
黏度	35000-55000	mPa.s/25°C
酸值	25-35	mgKOH/g

储存说明

在原包装完好的情况下,在发货后于 20°C 可以保存 6 个月。推荐的储存温度范围是 5°C-30°C。如果受冻或者温度超过 30°C,则有可能影响该产品的黏度、平均粒径并最终可能导致沉淀或者结块。如果受细菌、真菌或藻类污染,则会对产品造成不可逆的影响。

包装规格

20kg/桶; 50kg/桶; 200kg/桶

安全

必须做好防护措施,小心操作,避免接触皮肤与眼睛,其它详细资料请参考物质安全说明书。

以上资料系经试验所得,仅供参考,不作任何保证之用。鉴于树脂功能的局限性及用户要求的多样性,若使用本公司产品,使用前请按自身的要求严格试验树脂的适应性及最终产品的稳定性。

版本: 2023-12-22

YWA2200

Water-soluble Acrylic Resin

Characteristics

- 1、 Good hardness , High gloss
- 2、 Silver powder arrangement effect is good
- 3、 Excellent boiling resistance (metal substrate)
- 4、 Excellent water and chemical resistance (metal substrate)
- 5、 Good adhesion to metal/glass substrates

Application

Applied to Water based metal/glass finish.

Property

Characteristics	Numeric value	Unit
Component	Water-soluble Acrylic Resin	
Appearance	Light yellow translucent viscous liquid	
Solid Content	70±2	%
Viscosity	35000-55000	mPa.s/25°C
Acid number	25-35	mgKOH/g

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

20kg/barrel ; 50kg/barrel ; 200kg/barrel

Safety

Precautions must be taken to avoid contact with skin and eyes. For other details, please refer to the Material Safety instruction.

The above information is provided for reference only. If you use our products, please strictly verify according to your own requirements .

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水溶性丙烯酸树脂 Water-soluble Acrylic Resin

参考配方 Reference formula

YWA2200 水溶性银粉烤漆基料		浸泡铝银浆配方	
YWA2200 water-soluble silver powder baking paint base		Infusing aluminum silver paste formula	
材料名称 Material name	添加量 (g) Addition amount (g)	银粉 Silver powder	10
YWA2200 调和树脂 YWA2200 blended resin	55	助溶剂 cosolvent	4
氰特 303	10	H ₂ O	7.4
水性附着力促进剂 Water-based adhesion enhancer	3	润湿剂 Wetting agent	0.3
流平剂 Levelling agent	0.2	合计 total	21.7
润湿剂 Wetting agent	1		
消泡剂 defoaming agent	0.3		
缔合型增稠剂 Associated thickener	0.5	调和树脂 Blended resin	
水性流变蜡 Water-based rheological wax	6	YWA2200	100
H ₂ O	2.3	DMEA	5
合计 total	78.3		

施工工艺 Construction technology

- 1、底材：马口铁/不锈钢/铝板/镀锌板
 - 2、烘烤条件：160°C烘烤 30 分钟，冷却测试性能。
 - 3、树脂/氰特 303=3.8/1 (固体比)
- 1、substrate: tinplate/stainless steel/aluminum plate/galvanized plate
 - 2、baking conditions: 160°C bake for 30 minutes, cooling test performance.
 - 3、resin/cyanide 303=3.8/1 (solid ratio)

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检验技术指标 Inspection technical index

检验项目 Inspection item	检测方法 Detection method	参照标准 Reference standard	检验标准 Inspection standard	检验结果 Test result
硬度 hardness	三菱铅笔划痕 Mitsubishi pencil scratch	GB/T6739-96	---	2H
光泽 gloss	60°角	GB/T9754	---	90.7°
附着力 Adhesive force	百格法 hctograph	GB/T9286	0-1 级	0 级
镀锌板水煮 2H Galvanized plate boiled 2H	百格法 hctograph	企业标准 Enterprise standard	无起泡, 无脱落, 附着力 0 级 No foaming, no shedding, adhesion level 0	0 级
铝板水煮 2H The aluminum plate is boiled for 2H	百格法 hctograph	企业标准 Enterprise standard	无起泡, 无脱落, 附着力 0 级 No foaming, no shedding, adhesion level 0	0 级
不锈钢水煮 2H Stainless steel boiled 2H	百格法 hctograph	企业标准 Enterprise standard	无起泡, 无脱落, 附着力 0 级 No foaming, no shedding, adhesion level 0	0 级
耐水性 Water resistance	浸泡法 Soaking method	企业标准 Enterprise standard	45°C水浸泡 20 天, 无脱落, 无起泡起皱现象 Soak in 45°C water for 20 days, No shedding, no blistering and wrinkling	合格 Up to standard
耐酸性 Acid resistance	浸泡法 Soaking method	GB/T9274-88	5%H ₂ SO ₄ , 25°C, h,	> 500H
耐碱性 Alkali resistance	浸泡法 Soaking method	GB/T9274-88	5%NaOH, 25°C, h	> 48H
耐丁酮 butanetin	擦拭 wipe	---	耐丁酮摩擦 (500 克) Butanone resistance friction (500g)	> 200 次
耐中性盐雾 Resistant to neutral salt spray	中性盐雾箱 Neutral salt spray tank	ASTM B117	---	> 72H
耐冲击 Impact resistance	冲击法 Impact method	GB/T1732	---	正反冲 30cm/1kg:OK Forward recoil 30cm/1kg:OK

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