



Product Overview

This series of water-based baking paint developed with high quality raw materials and advanced production process has good sprayability and strong compatibility widely used in bicycle paint, home appliance paint, toy paint and other metal alloy parts.

Composition

Water-based acrylic resin, amino resin, additives, pigments and co-solvents, etc.

Scope of application

Metal and its aluminum surface

Product types

Water-based fluorescent lacquer, water-based pearlescent lacquer, water-based crystal pearlescent lacquer, water-based aluminum tube lacquer, water-based imitation electroplated silver baking lacquer.

Characteristic

- 1.High gloss of paint film, good fullness, excellent bright reflectivity;
2. Good comprehensive physical properties such as impact resistance and hardness;
3. Excellent adhesion to various metal substrates;
4. excellent chemical resistance and weatherability;
5. Good construction and recoating performance.

Technical index

Test items	Experimental condition	Testing standard	Reference standard
Appearance	Visual inspection	Flat and smooth No defective d	GBSG51001-94
Gloss	60° gloss	≥85%	GB/T9754-2007
Adhesion	2mm scratch method. Adhesive tape test	100/100	GB/T1720-89
Hardness	Pencil (Mitsubishi)	≥1H	GB/T6739-2006

Water-based metal baking paint (aluminum)



Impact resistance	Punching hammer mass $\pm 1\text{g}$	50cm through	GB/T1732-2020
Flexibility	$\leq 1\text{mm}$	$\leq 1\text{mm}$	GB/T6742-2007
Water resistance	(room temperature tap) 240h	No blistering, r No luster change	GB/T1733-93
Gasoline resistance	93#Gasoline 20°Cx24h	No blistering, r change No luster change	GB/T11121-2006
Corrosion resistance	Neutral salt spray test 1	Single side rust Within 2mm	GB/T1771-2007

Construction process reference

1. pre-treated metal substrates (e.g. substrates that have undergone degreasing, rust removal, phosphating);
2. 稀释配比：涂料：去离子水=1: 0.25~0.35；
3. 适宜的施工环境温湿度：温度 15~35℃，相对湿度 45~75%RH；
4. 适用的施工方式：空气喷涂，压力 0.3~0.5MPa；
5. 施工粘度：20~45 秒 / 15~35℃（NK,2#杯）。根据现场情况可调整施工粘度；
6. 干燥条件：80℃*5Min 闪干→150℃*30Min 实干。
7. 底漆烘干冷却后喷涂面漆

注意事项

1. 涂料开罐后应充分搅拌均匀，以免引起色差；
2. 涂料稀释后，应用 200~300 目的滤网过滤，才能使用；
3. 涂装后防止灰尘、颗粒等附于被涂面；
4. 器具清洗可采用氨水稀释液或配套的清洗剂进行清洗；
5. 工件表面的油脂、污垢、汗渍会影响涂膜性能。

储存期

3 个月 / 25℃（密封，并储存于干爽、阴凉、避光、通风处，远离火源）。

声明

The information provided in this product specification is based entirely on our knowledge gained in the laboratory and in practice. However, since the use of the product is usually beyond our control, we only give a guarantee of the quality of the product itself. We reserve the right to modify this manual without prior notice. For more information, please consult our website: www.towercoating.com

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