



水性建筑涂料调色专用 F 系列色浆

F series of water-based colorants for machine tinting of architectural coating

秧浦色彩科技 有您更精彩

○产品说明：

F 系列水性色浆为高性能水性环保色浆，专门针对调色机系统研制，主要应用于水性内外墙乳胶漆，及其它水性装饰漆。该系列产品以中高档有机颜料和无机颜料为主体，以去离子水为载体，采用不同的非离子或阴离子润湿分散剂分散，通过智能分散研磨工艺制成。

F 系列水性色浆颜色丰富涵盖的色域广，在绝大多数乳胶漆中表现出的优异的相容性与展色性。同时该系列色浆批次间颜色稳定性好，通过分光测色系统严格把控批次间色差，高于行业标准；流动性和消泡性好，与各种调色机的匹配性好以保证客户调色的精准度和效率。

○Product introduction:

F series of water-based colorants are resin free high concentration pigment preparations without ethylene glycol and adhesives, mainly designed for machine tinting system of waterborne architectural coatings and other fields. F series of colorants contain organic or inorganic pigment dispersed in the water by nonionic or anionic wetting & dispersing agents and are made by intelligent dispersing & grinding process.

F series of water-based colorants cover a wide color range and show excellent compatibility and tinting strength in most latex paints. Meanwhile the batch stability of this series of colorants is good, and the color difference between batches is strictly controlled through the spectrophotometer system, which is higher than the industry standard. Good fluidity and defoaming, good matching with various color mixing machines ensure the accuracy and efficiency of customer color mixing.

○ 产品参数 Product parameters

产品 Product	原色 TT	浅色 ST 1/25	耐候性 Weather Fastness		耐光性 Light Fastness		耐化学性 Chemical Fastness		比重 Density (g/ml)
			原色 TT	浅色 ST 1/25	原色 TT	浅色 ST 1/25	原色 TT	浅色 ST 1/25	
FW1 白			5	5	8	8	5	5	1.85
FBK1 碳黑			4-5	4	7-8	7	5	5	1.15
FB1 酞菁蓝			5	4-5	8	8	5	5	1.23
FG1 酞菁绿			5	4-5	8	7-8	5	5	1.16
FR3 铁红			5	5	8	8	5	5	1.80
FY3 铁黄			5	5	8	8	5	5	1.72
FV1 永固紫			5	4	8	7	5	5	1.17
FY2 中黄			4	3-4	7	6-7	5	5	1.10
FY1 嫩黄			5	4-5	8	8	5	5	1.10
FR4 玫红			5	4-5	8	7-8	5	5	1.15
FR1 大红			3-4	2-3	7	6	5	5	1.15
FR2 大红			5	4-5	8	7-8	5	5	1.10

产品特点

Product features

- ◇ 颜色丰富，色域宽
- ◇ 展色性好，与大多数乳胶漆体系相容性好
- ◇ 流动性、消泡性好、稳定性好与调色机匹配性好
- ◇ 干燥速度慢，不易结皮
- ◇ 批次间颜色稳定性好，调色重现性好

- ◇ Wide color range
- ◇ Excellent compatibility with most emulsion system
- ◇ Excellent fluidity ,defoaming stability, matching well with various color mixing machines
- ◇ Slow drying speed, not easy to peel
- ◇ Excellent stability between different batches

应用领域

Applications

应用于水性内外墙乳胶漆，及其它水性装饰漆的调色机调色

F series of colorants are mainly used for machine tinting system of waterborne architectural coatings and other fields

性能指标及测试方法

Performance index and test method

- ◇ TT: 深色，在 1%钛白粉含量的乳胶漆中加入 5% 色浆
- ◇ ST1/25:1/25 深度，DIN53235 标准
- ◇ 耐光性：采用氙灯光源，按照 ISO/105，以蓝羊毛尺 1-8 级来衡量，8 级最好，1 级最差。
- ◇ 耐候性：采用 ATLAS 人工加速老化仪，定时氙灯暴晒和喷水，暴晒 500 小时按照 ISO 灰尺 1-5 级衡量，5 级最好，1 级最差。
- ◇ 耐化学性：按照 GB55211.6-85 颜料耐酸耐碱测定法，以 1-5 级表示，5 级最好，1 级最差。

- ◇ TT:dark color,add 5% colorant to latex paint containing 1% TiO_2
- ◇ ST 1/25:1/25 depth of color,DIN 53235 standard
- ◇ Light resistance:using xenon light source,according to ISO/105,measured by blue wool ruler 1-8,level 8 is the best,level 1 is the worst
- ◇ Weather resistance:using ATLAS artificial accelerated aging instrument timed xenon lamp exposure and water spraying,exposure for 500 hours,according to ISO gray scale 1-5,level 5 is the best,level 1 is the worst
- ◇ Chemical resistance:according to GB55211.6-85 pigment acid and alkali resistance test method,graded as 1-5,level 5 is the best,level 1 is the worst.

○包装及储存

Package and storage

包装：F 系列色浆产品常规包装分别为 1L。

Package: the standard package of F series of colorants is 1L.

储存：F 系列色浆储存温度为 0-40℃，保质期为 18 个月。

Storage: stored above 0℃ and below 40℃, shelf life is 18 months.

○色浆使用说明

Instrcution for colorants selection

- ✧ 使用前必须搅拌均匀，先加入体系中进行相容性实验，确保相容性良好后调色。使用完成后注意密封，放置在通风阴凉处储存，保质期 18 个月。
- ✧ 在调制外墙乳胶漆时，该系列产品中 FY2 中黄和 FR1 大红仅建议用于深色漆，并建议用量在 5% 以上。调制外墙浅色漆时建议使用 F 系列其它型号色浆。

- ✧ The colorant must be stirred evenly before use, and added into the system for compatibility test to ensure good compatibility before color mixing. After use, it should be sealed and stored in a ventilated and cool place with a shelf life of 18 months.
- ✧ When preparing exterior latex paint, FY2 yellow and FR1 red are only recommended for dark paint, and the recommended dosage is more than 5%. It is recommended to use other colorants of F series when preparing light color paint for exterior walls.

由于我们无法了解客户的实际使用情况和工艺过程，所以对于我公司产品的应用所做的推测，均基于我们目前对该产品的认识。希望您在使用产品前，应采取适当的措施以保证我们的产品能满足您的用途。

Since we can't understand the actual use and process of our customers, we speculate about the application of our products based on our current understanding of the product. We hope that you should take appropriate measures to ensure that our products can meet your needs before using them.