



## 水性环保高性能 YPL 系列色浆

YPL series of water-based eco-friendly colorants

秧浦色彩科技 有您更精彩

## ○产品说明：

YPL 系列水性环保型色浆为不含 APEO 和树脂的高浓度颜料制备物，主要为水性木制玩具漆、水性丙烯颜料、水性油墨等领域设计。该系列产品以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。

YPL 系列水性环保型色浆颜色丰富涵盖的色域广、着色力高，在绝大多数丙烯酸乳液体系中表现出的优异的相容性与展色性；批次间颜色稳定性好，保证客户调色的重现性。该系列色浆所用颜料及助剂符合欧共体儿童玩具安全标准 EN71 中的要求。

## ○Product introduction:

YPL series of water-based eco-friendly colorants are high concentration pigment preparation free of APEO and resin. The series of products are mainly designed for water-based wood coating, acrylic paint, and water-based ink; contain organic or inorganic pigment dispersed in the water by nonionic or anionic wetting & dispersing agents; are made by intelligent dispersing & grinding process.

YPL series of water-based eco-friendly colorants cover a wide color range and show excellent compatibility and tinting strength in acrylic emulsions. Meanwhile the batch stability of this series of colorants is good, and the color difference between batches is strictly controlled to ensure the reproducibility of color mixing for customers. The pigments and additives used in this series of colorants meet the requirements of the European Community safety standard for children's toys EN71.

## ○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		耐热性 (℃) Heat Resistance
			原色 TT	浅色 ST 1/25	原色 TT	浅色 ST 1/25	原色 TT	浅色 ST 1/25	
YPL G030 碳黑			4-5	4	7-8	7	5	5	200
YPL 2173 蓝			5	4-5	8	8	5	5	200
YPL 2305 蓝			5	4-5	8	8	5	5	200
YPL 2306 绿			5	4-5	8	7-8	5	5	200
YPL 2665 透明铁红			5	5	8	8	5	5	200
YPL 2642 透明铁黄			5	5	8	8	5	5	200
YPL 2903 永固紫			5	4	8	7	5	5	200
YPL 2683 深黄			4	3	6	6-7	5	5	180
YPL 2074 中黄			4	3-4	7	6-7	5	5	160
YPL 2172 中黄			2	1-2	2-3	2	5	5	150
YPL 2014 中黄			2	1-2	2-3	2	5	5	150
YPL 2603 嫩黄			4	3-4	7	6-7	5	4-5	150
YPL 2909 玫红			5	4-5	8	7-8	5	5	200
YPL 2607 红			2	1-2	4-5	2-3	5	5	120
YPL 2171 红			3-4	2-3	7	6	5	5	160
YPL 2254 红			5	4-5	8	7-8	5	5	200
YPL 2615 白			5	5	8	8	5	5	200
YPL 2715 白			5	5	8	8	5	5	200

## 产品特点

## Product features

- ✧ 颜色丰富，色域宽
- ✧ 颜料含量高，着色力强
- ✧ 展色性好，与大多数乳液体系相容性好
- ✧ 流动性好，储存稳定性好
- ✧ 批次间颜色稳定性好，调色重现性好
- ✧ 环保，符合欧盟 EN71 标准

- ✧ Wide color range
- ✧ High pigment content and tinting strength
- ✧ Excellent compatibility with most emulsion system
- ✧ Excellent fluidity and stability
- ✧ Excellent stability between different batches
- ✧ Comply with EU EN71 standard

## 应用领域

## Applications

主要应用于水性木制玩具漆、水性丙烯酸料、水性油墨

YPL series of water-based eco-friendly colorants designed for water-based wood coating, acrylic paint, and water-based ink

## 性能指标及测试方法

## Performance index and test method

- ✧ TT: 深色，在 1% 钛白粉含量的体系中加入 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 the system containing 1%  $\text{TiO}_2$
- ✧ 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：YPL 系列色浆产品常规包装分别为 5kg，10kg，20kg，25kg,30kg。

Package: the standard package of YPL series of colorants is 5kg,10kg,20kg,25kg,30kg.

储存：YPL 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。

✧ 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.

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.