



## TS 系列纸张涂布专用水性色浆

TS series of water-based colorants for paper coating

## ○产品说明:

TS 系列水性色浆为水性的无树脂高浓度颜料制备物，主要为装饰纸、铜版纸等纸张涂布调色专门设计。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。

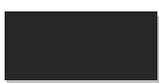
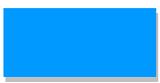
TS 系列水性色浆颜色丰富涵盖的色域广，着色力高，在绝大多数纸张涂布用胶乳或树脂中表现出的优异的相容性与展色性。同时该系列色浆批次稳定性好，保证客户调色的重现性。

## ○Product introduction:

TS series of water-based colorants are high concentration pigment preparations without resin, mainly designed for tinting of decorative paper, coated paper and other papers. TS 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.

TS series of water-based colorants cover a wide color range and show excellent compatibility and tinting strength in most latex or resin for paper coating. 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 tinting for customers.

## ○ 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 (°C) 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	
TS1830 碳黑			4-5	4	7-8	7	5	5	200
TS1850 蓝			5	5	8	8	5	5	200
TS1807 绿			5	4-5	8	7-8	5	5	200
TS0007 翠绿			3	2-3	5	4-5	5	5	160
TS1864 铁红			5	5	8	8	5	5	200
TS1842 铁黄			5	5	8	8	5	5	200
TS1815 橙红			2	1-2	4-5	2-3	5	3-4	150
TS1823 永固紫			5	4	8	7	5	5	200
TS1803 永固紫			5	4	8	7	5	5	200
TS1883 深黄			4	3	6	6-7	5	5	180
TS1865 中黄			4	3-4	7	6-7	5	5	160
TS1801 黄			4	3-4	7	6-7	5	5	160
TS1857 宝红			2	1-2	4-5	2-3	5	5	120
TS1802 大红			2	1-2	4-5	2-3	5	3-4	120

## ○产品特点

- ◇ 颜色丰富，色域宽
- ◇ 颜料含量高，着色力强
- ◇ 展色性好，与纸张涂布体系相容性好
- ◇ 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
- ◇ 消泡性能好，不产生纸张表面缺陷

## Product features

- ◇ Wide color range
- ◇ High pigment content and tinting strength
- ◇ Excellent compatibility with most paper coating system
- ◇ Excellent fluidity and stability
- ◇ Excellent stability between different batches
- ◇ Excellent defoaming to avoid paper surface defects

## ○应用领域

主要为装饰纸、铜版纸等纸张涂布调色专门设计调色。

## Applications

TS series of colorants are mainly designed for tinting of decorative paper, coated paper and other papers.

## ○性能指标及测试方法

- ◇ 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。

## Performance index and test method

- ◇ 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：TS 系列色浆产品常规包装分别为 20kg，25kg。

Package: the standard package of TS series of colorants is 20kg,25kg.

储存：TS 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。请您在使用产品前，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.