COLORTREND® XC

Architectural In-plant Colorants for Low-VOC/APE-free Applications

建筑涂料用低VOC/零APE工厂调色色浆

Chromaflo Technologies

Where Art Meets Technology

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General Description

COLORTREND® XC Colorants are Low-VOC, high-strength, pourable color pastes recommended for in-plant tinting of emulsion and water-based paints. All colorants have a 6 minimum fineness of grind Hegman Gauge (<20µm) which make COLORTREND® XC Colorants exceptionally suitable for the tinting of latex paints.

The colorants are cost-effective products containing high quality pigments that many paint formulating professionals want to use. Strength is controlled to ±2% vs. standard and ΔE<0.6 vs. standard. They are suitable for dispensing gravimetrically and volumetrically.

COLORTREND® XC Colorants contain synergistic combinations of wetting and dispersing agents which allow them to mix readily into a variety of aqueous media and form stable dispersions in any ratio.

Meeting the Environmental Challenge

The colorants are based on a unique environmentally friendly technology that is designed to meet current and future environmental challenges. Key features are listed below:

- All products contain Low-VOC.
- All products are APE-free.
- The range contains a biocidal package that has been optimized to ensure long lasting in can and canister protection.
- The range does not negatively influence paint properties such as gloss, dry time and hardness relative to other commercially available dispersions.

Compatibility

COLORTREND® XC Colorants are compatible with all types of latices such as:

- Styrene Butadiene
- Semi-Gloss and Gloss Latices
- Polyvinyl Acetate
- Alkyd Resin Emulsions
- Acrylics
- Vinyl Acetate-Ethylene Copolymers
- Alkyd Modified Latices

产品说明

COLORTREND® XC系列色浆是一种低VOC，高着色力，可流动的浆料，可用在乳胶漆和其它水性涂料的工厂调色。所有色浆经Hegman刮板细度仪测定细度都<20微米，使得COLORTREND® XC色浆非常适合于乳胶漆的调色。

这些色浆是一种采用高品质CI颜料制成的高浓度经济型水性色浆，为许多专业涂料生产商所首选，其着色力控制在标准±2%，色差控制在<0.6。COLORTREND® XC色浆适用于重量和体积计量调色。

COLORTREND® XC色浆中润湿剂和分散助剂的恰当使用使其能同多种水性介质混合，并以任何比例形成稳定的分散体。

满足环保要求

COLORTREND® XC系列色浆采用一种独特的环保技术，满足当前及未来环保要求。主要特点如下：

- 所有色浆均只含低VOC。
- 所有色浆均不含APE。
- 此产品系列采用专用的改良杀菌剂，能够在色浆罐和调色机罐中提供长效保护。
- 与市场上的其他色浆相比， 此产品系列不会对漆膜性能，如光泽，干燥时间和漆膜硬度等造成不良影响。

相容性

COLORTREND® XC色浆同所有体系乳胶漆相容，例如：

- 丁苯乳液
- 半光和高光乳液
- 聚醋酸乙烯
- 醇酸树脂乳液
- 丙烯酸
- 醋酸乙烯 – 乙烯共聚物
- 改性醇酸乳液

Masstone
深色

Tint
浅色

874-2823 YELLOW XC1

874-2040 YELLOW XC2

874-0801 RED XC4

874-7225 BLUE XC5

874-7027 BLUE XC6

874-5513 GREEN XC7

874-9908 BLACK XC8

874-2010 YELLOW XC9

Masstone
深色

Tint
浅色

874-8805 VIOLET XC10

874-0019 WHITE XC11

874-2805 EXTERIOR YELLOW XC15

874-2520 EXTERIOR YELLOW XC19

874-2009 RAW UMBER XC22

874-1826 YELLOW OXIDE XC26

874-1027 RED OXIDE XC27

874-0449 MAGENTA XC147

The colors contained in this brochure are matched. Actual colors may vary. Please contact your local sales representatives for actual colorant samples.
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COLORTREND® XC – Typical Physical Properties 典型物理性能

Product Code 产品编号	Colorant Description 品名	CI Pigment Reference 颜料代码	Specific Gravity 平均比重	Pigment Solids 颜料含量	Lightfastness 耐光性 (Approx) 1:1	1:25	Alkaline-fastness 耐碱性
874-2823	YELLOW XC1	Yellow 3	1.20	47.7	7	5-6	5
874-2040	YELLOW XC2	Yellow 74	1.20	47.9	6-7	4-5	5
874-0801	RED XC4	Red 112	1.20	44.0	6	5	5
874-7225	BLUE XC5	Blue 15	1.22	42.0	8	8	5
874-7027	BLUE XC6	Blue 15:3	1.27	43.9	8	8	5
874-5513	GREEN XC7	Green 7	1.39	50.4	8	8	5
874-9908	BLACK XC8	Black 7	1.31	49.9	8	8	5
874-2010	YELLOW XC9	Yellow 83	1.15	36.0	6-7d*	4-5	5
874-8805	VIOLET XC10	Violet 23	1.16	33.4	7-8	6-7	5
874-0019	WHITE XC11	White 6	2.32	73.0	8	8	5
874-2805	EXTERIOR YELLOW XC15	Yellow 110	1.27	45.0	7-8	7-8	5
874-2520	EXTERIOR YELLOW XC19	Yellow 97	1.18	50.0	7	6	5
874-2009	RAW UMBER XC22	Brown 7	1.43	24.4	8	8	5
874-1826	YELLOW OXIDE XC26	Yellow 42	1.97	63.7	8	8	5
874-1027	RED OXIDE XC27	Red 101	2.26	66.0	8	8	5
874-0449	MAGENTA XC147	Red 122	1.14	33.0	7	7	5

All data obtained directly from pigment suppliers, individual testing is recommended. Lightfastness is measured against the blue wool standard on a scale of 1 to 8, where 1 = severe change and 8 = no change, "d"= color darkens.
Alkaline fastness is measured by immersing panels in 1% NaOH solution for 24 Hours. Contrast of the color is rated on a scale of 1-5 where 1 = severe change and 5 = no change.
所有数据均由颜料供产商提供，建议作单独测试。耐光性等级相对蓝羊毛标准，1=差 8=没有变化，"d"=增深。
耐碱性测试将样板浸入1%的氢氧化钠溶液中浸泡24小时。颜色变化按1-5级评定，1=差，5=没有变化。

COLORTREND® XC HD

Architectural In-plant Colorants for Low-VOC/APE-free Applications – High Durability Colorants
建筑涂料用低VOC/零APE工厂调色色浆 – 高耐候色浆

General Description

COLORTREND® XC HD Colorants are high strength, high-durability aqueous pigment dispersions for in-plant architectural coatings. The COLORTREND® XC HD range includes 4 products for applications where exceptional exterior durability (light and weatherfastness) is required. All COLORTREND® XC HD dispersions are strength controlled to ±2% vs. standard, ΔE 0.6 vs. standard, with 6 minimum fineness of grind Hegman Gauge (<20µm).

产品说明

COLORTREND® XC HD系列色浆是一种高着色力、高耐候水性色浆，可用于建筑涂料工厂调色。COLORTREND® XC HD系列色浆包含4个产品，用于对外墙耐久性有特殊要求的产品 (如耐光性和耐候性)。COLORTREND® XC HD色浆的着色强度都控制在标准±2%，色差小于0.6。经刮板细度仪测定最小细度为 6 Hegman (小于20 微米)。

COLORTREND® XC HD – Typical Physical Properties 典型物理性能

Product Code 产品编号	Colorant Description 品名	CI Pigment Reference 颜料代码	Specific Gravity 平均比重	Pigment Solids 颜料含量	Lightfastness 耐光性 (Approx) 1:1	Lightfastness 耐光性 (Approx) 1:25	Weatherfastness 耐候性 (Approx) 1:1	Weatherfastness 耐候性 (Approx) 1:25
874-2871	HD YELLOW XC100	Yellow 184	2.07	60.0	8	8	4-5	4-5
874-2814	HD YELLOW XC105	Yellow 154	1.14	30.0	8	7-8	5	5
874-0915	HD ORANGE XC120	Orange 73	1.17	42.3	8	7-8	4-5	4-5
874-0715	HD RED XC140	Red 254	1.26	44.0	8	7-8	4-5	4-5

All data obtained directly from pigment suppliers, individual testing is recommended. Lightfastness is measured against the blue wool standard on a scale of 1 to 8, where 1 = severe change and 8 = no change. Weatherfastness is measured on a scale of 1 to 5, where 1 = severe change and 5 = no change.
所有数据均由颜料供产商提供，建议作单独测试。耐光性等级相对蓝羊毛标准 (1=差 8=没有变化)， 耐候性 (1=差 5=没有变化)。

Masstone 深色 | **Tint 浅色**

874-2871 HD YELLOW XC100

874-2814 HD YELLOW XC105

Masstone 深色 | **Tint 浅色**

874-0915 HD ORANGE XC120

874-0715 HD RED XC140

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Depot Tinting
库房调色

The volumetric dispensability of Colortrend® XC provide a unique opportunity to optimize production capabilities and service levels for many paint companies. It is common for companies to manufacture some colors well below their optimum batch size to service niche requirements of the market which result in:

- Reduced production efficiency
- Increased production cost
- Additional inventory holdings
- Reduced service levels

Depot tinting provides a solution that overcomes these issues by enabling paint companies to manufacture paint bases at optimum batch sizes and then tint the product either before or after being filled into a can. Depot tinting is ideally suited to products which have 200 – 1000 liter order quantities and a color range greater than 20.

It can be used effectively to significantly improve the service for customers that are not close in proximity to the manufacturing facility by establishing a local distribution point capable of tinting paint bases. This reduces lead time and increases color selection.

Additionally, it will eliminate the geographical advantages of local competitors allowing improved access to new customers in remote regions with minimal capital cost.

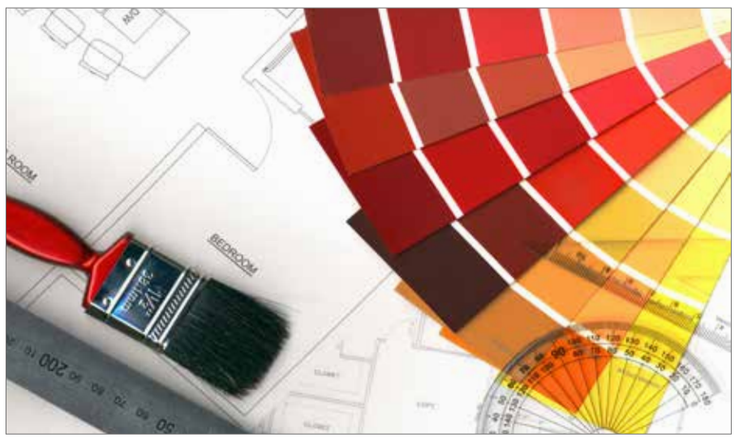
Additional Benefits

Depot tinting also offers technical advantages over traditional POS tinting which include;

- Improved gloss
- Improved hardness
- Increased opacity in deep tone colors.

And advantages over in-plant manufacture which include:

- Increased color offering
- Reduced inventory
- Faster stock turn.



COLORTREND® XC 可以体积式计量，该特性可为众多涂料公司提高其生产能力及服务质量。为了满足部分客户的特殊需求，涂料公司常常要生产一些远远低于最佳批次量的色漆，这将导致:

- 生产效率降低
- 产品成本上升
- 库存增加
- 服务质量降低

通过库房调色可以帮助涂料公司避免上述问题，涂料公司将以最佳的批次规模生产基础漆，并在基础漆装罐之前或之后进行着色。库房调色最适合订购量在200升-1000升，且色彩种类多于20种的产品。

通过在当地设立一个能够对基础漆进行调色的分销点，这一解决方案可以更有效的为远距离的客户提供更优质的服务。库房调色可以缩短生产周期，提高调色效率，增加色彩选择。

此外，只需最小的资金投入即可为远距离的新客户提供服务，因此调色站具备了和当地竞争对手同样的地理优势。

其他优点

库房调色还具备一些传统POS调色无法比拟的技术优势，如:

- 改善光泽
- 改善硬度
- 提高深色的遮盖力

与工厂调色相比，该解决方案具有以下优点:

- 色彩种类更丰富
- 减少库存
- 提高存货周转率

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