

Highest colorant strength for universal architectural applications

Chromaflo Technologies' Monicolor Universal colorants offer a vast selection of colors for the architectural market. Technical specifications within the paint industry are increasingly compounded by ever-changing environmental requirements. Stricter regulations apply to all products in the colorant and paint industry. At the same time, the amount and variety of architectural products such as alkyds and latexes for interior and exterior use continue to grow.

Application

Chromaflo Technologies' complete range of universal Monicolor colorants for architectural applications are suitable for mixing with a variety of latex paints, long oil alkyds, enamels and wood stains. Four inorganic colorants, namely, inorganic black (PBk11), chrome oxide green (PG17), cobalt blue (PB28) and bismuth vanadate yellow (PY184) have been added to extend the application areas to facade paints.

Properties

The pigmentation of Monicolor colorants has been formulated to meet the performance demands of architectural paints. The range satisfies key performance requirements such as light fastness, accuracy in pastels, opacity and cost effectiveness. There are additional economical yellow and red options in the Monicolor portfolio to ensure a good price/performance ratio. Monicolor colorants ensure accuracy and reproducibility at the point-of-sale. Color and color strength are volumetrically controlled.

Monicolor universal products are available in various technologies:

■ Monicolor B

Monicolor B colorants contain <300 g/l of VOCs and is APE free. Propylene glycol is used as a co-solvent, adding to efficient functionality and performance of the dispensing equipment.

Mixed systems

Monicolor colorants are fully compatible with each other and can be used interchangeably to create a customized tinting system. The color experts at Chromaflo Technologies are at hand to create unique tinting systems that meet your needs, taking into account:

- Technical performance
- Existing POS equipment
- Required color space
- Future needs
- Budget

Our Services

As a frontrunner in integrating tinting solutions, Chromaflo Technologies provides excellent service in the set-up of your tinting systems as well as smooth colorant technology conversions. Our technical support includes:

- Assurance of colorant and base paint compatibility
- System design, optimization and pigment selection
- Color matching and database development
- Equipment compatibility and sales support

Stringent production controls and processes ensure that all colorants are manufactured to rigid specifications for color shade, strength and rheology. The end result is assured color accuracy and reproducibility.



MONICOLOR™ B TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment ¹¹		Weather resistance of pigment ²¹		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
XT ³¹	White	PW 6	65	8	n/a	5	n/a	2.06
ZT	Citron Yellow	PY 138	12	8	8	4-5	4	1.38
KS	Yellow	PY 74	20	7-8	6-7	4-5	3	1.35
US	Orange Yellow	PY 83	29	7-8	6-7	4	3	1.28
RT ³¹	Yellow Oxide	PY 42	55	8	8	5	5	1.80
PT	Orange Red	PR 168	10	8	8	5	4-5	1.41
PP	Orange Red	PR 188	10	7-8	6-7	4-5	3-4	1.38
RD	Red	PR 254	37	8	8	4-5	4	1.24
RS	Red	PR 112	20	8	6	4-5	3	1.34
VT ³¹	Red Oxide	PR 101	50	8	8	5	5	1.96
ST ³¹	Umber	PBk7/PY42/PR101	35	8	8	5	5	1.72
MM	Magenta	PR 122	25	7	7-8	4	4-5	1.09
HS	Bordeaux	PV 19	13	7	7-8	4	4	1.20
FT	Violet	PV 23	2	8	8	5	4	1.47
MT	Blue	PB 15:4	7	8	8	5	4-5	1.41
MS	Blue Strong	PB 15:3	28	8	8	5	4-5	1.24
LT	Green	PG 36	10	8	8	5	4-5	1.40
LS	Green Strong	PG 7	20	8	8	5	4-5	1.48
TT	Black	PBk 7	9	8	8	5	5	1.47

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.

¹¹ Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

²¹ Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

³¹ Colorant containing inorganic pigment(s).

Chromaflo Technologies recommends to use only colorants containing inorganic pigments in high alkaline environments and in exterior silicate or silicone based products.

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