MONICOLOR™ DU/DW

Maximum flexibility with an excellent price and performance for universal and water-based solutions

Chromaflo Technologies' unique Monicolor DU and Monicolor DW colorant series enable cost-efficient paint tinting at both warehouse and shop level.

This is due to the innovative technology, balanced pigment selection,high pigment load and rigidly controlled production specifications; even the most demanding application requirements can be met. Monicolor DU and Monicolor DW series combine maximum flexibility with an excellent price and performance, making it an attractive solution for today's architectural coatings manufacturers. Chromaflo Technologies is continually monitoring regional regulations to stay ahead of upcoming changes in guidelines.

Application

These colorant ranges have been developed for use in a wide variety of decorative coatings for interior as well as exterior applications. Monicolor DU colorants are universal, they can be used in both water- and solvent-based applications. While the Monicolor DW range is specifically designed for optimal performance in water-based decorative coatings.
They can be dosed by manual and automatic dispensing equipment, either at point-of-sale(POS) or at distribution center or warehouse tinting set ups.

Properties

Both colorant ranges are based on propylene glycol technology and show excellent compatibility across a wide range of coatings types. The series typically possess very high pigment concentrations.

This decreases the amount of colorant needed to produce the desired colors. This results in a lower cost of tinted colors. At the same time, these colorants can be added in small quantities to achieve accurate tinting of off-white colors in small can sizes. The pigments used in the Monicolor DU series provide the widest possible color range and give superior opacity. A well balanced combination of interior and weather-resistant exterior pigments offer optimum flexibility in tailoring the right solution for each application.

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™ DU/DW TECHNICAL DATA

MONICOLOR DU Colorants

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment [1]		Weather resistance of pigment [2]		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
WX2	White	PW 6	65	8	n/a	5	n/a	2.05
YM1	Yellow Exterior	PY 138	25	8	8	4-5	4	1.38
YH2	Yellow Interior	PY 74	40	7-8	6-7	4-5	3	1.20
YX2	Oxide Yellow	PY 42	49	8	8	5	5	1.73
OM1	Orange Interior	PY 83	29	7-8	6-7	4	3	1.24
OM2	Orange Exterior	PY 110	30	7	8	4-5	5	1.22
RH1	Red Exterior	PB 254	34	8	8	4-5	4	1.27
RH2	Red Interior	PR 112	35	8	6	4-5	3	1.23
RX2	Oxide Red	PR 101	62	8	8	5	5	2.10
MG	Magenta	PR 122	20	7	7-8	4	4-5	1.20
MM2	Magenta	PR 122	23	7	7-8	4	4-5	1.15
BL2	Blue Low	PB 15:3	8	8	8	5	4-5	1.40
BH2	Blue	PB 15:3	40	8	8	5	4-5	1.23
GH2	Green High	PG 7	41	8	8	5	4-5	1.39
CL2	Black Low	PBk 7	6	8	8	5	5	1.36
CH2	Black High	PBk 7	30	8	8	5	5	1.26

MONICOLOR DW Colorants

WX2	White	PW 6	65	8	n/a	5	n/a	2.05
YM1	Yellow Exterior	PY 138	25	8	8	4-5	4	1.38
YH2	Yellow Interior	PY 74	40	7-8	6-7	4-5	3	1.20
YX2	Oxide Yellow	PY 42	49	8	8	5	5	1.82
OM1	Orange Interior	PY 83	29	7-8	6-7	4	3	1.24
OM2	Orange Exterior	PY 110	30	7	8	4-5	5	1.22
RH1	Red Exterior	PB 254	35	8	8	4-5	4	1.27
RH2	Red Interior	PR 112	35	8	6	4-5	3	1.23
RX2	Oxide Red	PR 101	62	8	8	5	5	2.18
MG	Magenta	PR 122	20	7	7-8	4	4-5	1.20
MM2	Magenta	PR 122	23	7	7-8	4	4-5	1.15
BL2	Blue Low	PB 15:3	8	8	8	5	4-5	1.40
BH2	Blue	PB 15:3	40	8	8	5	4-5	1.23
GH2	Green High	PG 7	41	8	8	5	4-5	1.34
CL2	Black Low	PBk 7	6	8	8	5	5	1.36
CH2	Black High	PBk 7	30	8	8	5	5	1.26

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.
[1] Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.
[2] Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance , 5 = excellent weather resistance.

Published: July 2014

Chromaflo Technologies

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