High-strength colorants for decorative waterborne applications

Color Solutions

Colortrend® 931

Colortrend 931 colorants are a high strength, economical range specially developed for POS and in-plant tinting of waterborne coatings.

Vibrantz Technologies' Colortrend 931 technology consists of highly concentrated waterborne colorants for tinting of decorative waterborne coatings. Compatible with a variety of coatings, Colortrend 931 is a versatile range of colorants.

Application

Due to their high color strength and batch-to-batch consistency, Colortrend 931 colorants can be used in both in-plant and POS settings. The system produces easily reproducible colors that are suitable for mixing in a variety of latex paints, enamels, woodstains and more.

Properties

With 19 organic and inorganic colorants, the Colortrend 931 range offers a wide color space. The high pigment concentration of the colorants ensures cost effectiveness, without compromising on performance. The low-VOC system shows superior durability, light fastness, improved opacity and weather resistance. Colortrend 931 colorants typically contain 50 g/l of VOCs to prevent drying and are APE-free.



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Our Services

As a frontrunner in integrating tinting solutions, Vibrantz 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.

Name	Color	Pigment	Pigment content of colorant [%]	7-8Light Fastness of Pigment [1]		Weather Resistance of Pigment [2]		Density of Colorant (kg/m3)
				Mass	Tint	Mass	Tint	
9310030 KW	Titanium White	PW 6	57	8	N.A.	5	N.A.	1951
9319930 BW	Lamp Black	PBk 7	46	8	8	5	5	1338
9319936 BO	Black Oxide	PBk 11	57	8	8	5	5	1907
9311830 CW	Yellow Oxide	PY 42	57	8	8	5	5	1889
9311831 CWF	Reddish Yellow Oxide	PY 42	58	8	8	5	5	1804
9311030 FW	Red Oxide	PR 101	56	8	8	5	5	2039
9312030 LW	Raw Umber	PY 42/ PR 101/ PBk 7	16	8	8	5	5	1744
9312032 YG	Inorganic Yellow	PY 184	50	8	8	4-5	4-5	1954
9312530 AW	Perma Cal Yellow	PY 97	44	7-8	7	4-5	3	1247
9312532 SW	SW Yellow	PY 74	38	7-8	6-7	4-5	3	1377
9310430 QW	Quinacridone Magenta	PR 122	21	7	7-8	4	4-5	1181
9310730 HW	Red	PR 168/ PR 254	24	8	8	5/ 4-5	4-5/ 5	1342
9310732 RW	Red Interior	PR 112	41	8	6	4-5	3	1239
9317230 EW	Phthalo Blue	PB 15:1/ PB 15":3	38	8	8	5	4-5	1355
9317530 BG	Cobalt Blue	PB 28	53	8	8	5	5	1685
9314230 GY	Chromium Green	PG 17	68	8	8	5	5	2305
9315530 DW	Phthalo Green	PG 7	50	8	8	5	4-5	1412
9318830 JW	Calbizol Violet	PV 23	19	8	8	5	4	1314
9310930 GW	Perma Cal Orange	PO 67/ PY 83	42	8/ 7-8	6/ 6-7	4/ 4-5	2/ 3	1232

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.