Colorant system for water-based industrial coatings

Color Solutions

Temacolor™ WP

General Information

For industrial coatings, performance always has the highest priority. Industrial colorants therefore should not have any impact on that performance whatsoever. Vibrantz Technologies' Temacolor WP colorants are designed for providing this, together with a broad compatibility towards various industrial coating systems.

Application

Temacolor WP has been developed for tinting of all water-based 1- and 2-component industrial coating systems including waterborne UV systems. The pigment selection is also based on providing the best solution for many different industrial applications.

Properties

Temacolor WP colorants are widely compatible in a variety of different industrial coatings. These colorants contain a binder, are APE-free and contain less than 10% VOC. Temacolor WP colorants are designed to have no or minimal impact on the system properties such as gloss, shelf life, hardness, viscosity, sagging and drying time.

All colorants are calibrated by volume and weight and are therefore suitable for use in in-plant tinting systems as well as point of sale (POS) systems.

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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 [%]	Light Fastness of Pigment [1]		Weather Resistance of Pigment [2]		Density of Colorant (g/ml)
				Mass	Tint	Mass	Tint	
WP-5002[3]	White	PW 6	62	8	8	5	5	1.93
WP-5010	Black	PBk 7	20	8	8	5	5	1.10
WP-5013	Black	PBk 7	24	8	8	5	5	1.12
WP-5012	Deep Black	PBk 7	14	8	8	5	5	1.11
WP-5014	Deep Black	PBk 7	20	8	8	5	5	1.09
WP-5020[3]	Yellow Oxide	PY 42	47	8	8	5	5	1.54
WP-5024[3]	Yellow Oxide	PY 42	53	8	8	5	5	1.61
WP-5077[3]	Red Oxide	PR 101	57	8	8	5	5	1.82
WP-5042[3]	Yellow	PY 184	53	8	8	4-5	4-5	1.74
WP-5043	Yellow	PY 138	40	8	8	4-5	4	1.32
WP-5041	Yellow	PY 74	51	7-8	6-7	4-5	3	1.17
WP-5047	Yellow	PY 139	30	8	8	4	3-4	1.14
WP-5072	Red	PR 254	41	8	8	4-5	4	1.21
WP-5071	Red	PR 112	44	8	6	4-5	3	1.16
WP-5095	Pink	PR 122	20	7	7-8	4	4-5	1.07
WP-5032	Blue	PB 15:6	30	8	8	5	4-5	1.10
WP-5030	Blue	PB 15:3	31	8	8	5	4-5	1.11
WP-6010	Green	PG 7	33	8	8	5	4-5	1.22
WP-5093	Red Violet	PV 19	21	7	7-8	4	4	1.17
WP-5090	Violet	PV 23	13	8	8	5	4	1.06
WP-5063	Orange	PO 73	23	8	8	4-5	4-5	1.20

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.
[3] Colorant containing inorganic pigment(s). Vibrantz Technologies recommends to use only colorants containing inorganic pigments in high alkaline environments and in exteriorsilicate or silicone based products.