

VOC-free industrial colorants for water-borne applications

Color Solutions

ChromaChem® WAB

General Information

To be successful, industrial paint manufacturers need to differentiate from their competitors. Waterborne coatings, the fastest growing market segment, offer a lot of opportunities to differentiate with respect to environmental features and superior performance.

Vibrantz Technologies is the leading producer of VOC-free colorants. We are now expanding this knowledge to include VOC-free technologies for our industrial portfolio. Vibrantz Technologies has developed Chroma-Chem WAB to meet the specific tinting needs of water based industrial coatings.

Application

Colorants in the WAB line are binder, solvent and VOC-free, making them compliant with current and future legislation. The colorants have a broad compatibility in a wide range of coatings with minimum impact on paint properties. Applications include industrial coatings, wood & furniture coatings, protective & marine coatings and concrete protection & flooring.



Properties

The pigmentation of the WAB colorants meet the highest technical standards of water-based industrial coatings. The colorants have little or no effect on gloss, drying time, water resistance, hardness and other performance properties of the coating system.

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 (kg/m ³)
				Mass	Tint	Mass	Tint	
WHITE 6 WAB3	White	PW 6	67	8	N.A.	5	N.A.	2077
BLACK 7 WAB	Black	PBk 7	22	8	8	5	5	1151
HIGH JET BLACK 7 WAB	Deep Black	PBk 7	12	8	8	5	5	1085
YELLOW 42 WAB3	Yellow Oxide	PY 42	57	8	8	5	5	1829
RED 101 WAB3	Red Oxide	PR 101	60	8	8	5	5	2000
YELLOW 138 WAB	Yellow	PY 138	40	8	7-8	4-5	3-4	1257
YELLOW 184 WAB3	BiVa Yellow	PY 184	56	8	8	4-5	4-5	1970
RED 122 WAB	Magenta	PR 122	23	7	7-8	4	4-5	1122
RED 254 WAB	Red	PR 254	35	8	8	4-5	4	1182
BLUE 15:3 WAB	Blue	PB 15:3	37	8	8	5	4-5	1199
GREEN 7 WAB	Green	PG 7	32	8	8	5	4-5	1236
VIOLET 23 WAB	Violet	PV 23	20	8	8	5	4	1099
ORANGE 36 WAB	Orange	PO 36	30	8	7-8	5	4-5	1188

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 exterior silicate or silicone based products.

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