The colorant system for conventional high-performance UV- and EB-curing systems.

Color Solutions

Chroma-Chem® UVH

Application

Chroma-Chem UVH colorants are developed for bringing color to your UV- and EB-curing systems without compromising the fast cure of such coating systems. The colorants are based on a di-functional acrylic monomer (HDDA). Due to this low viscosity monomer our Chroma-Chem UVH colorants are widely compatible in many different UV- and EB-curing systems.

Properties

Chroma-Chem UVH is especially developed to be used in conventional 100% UV coating systems. The reactivity of the colorants provides a fast and efficient cure for every color in your UV- and/or EB-base system. With the selected pigment selection, a broad range of colors can be made.

One needs to bear in mind that the monomer base of these colorants will react to radiation and therefore will also be reactive at normal daylight exposure. Proper closure of the pail after opening is needed to ensure the shelf life is not further limited.

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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 (kg/m3)
				Mass	Tint	Mass	Tint	
WHI	White	PW 6	74	8	N.A.	8	N.A.	2100
YEH	BiVA Yellow	PY 184	51	8	8	4-5	4-5	1950
OXY	Yellow Oxide	PY 42	58	8	8	5	5	1785
RED	Red	PR 254	28	8	8	4-5	4	1130
OXR	Red Oxide	PR 101	58	8	8	5	5	1900
MAG	Magenta	PR 122	16	7	7-8	4	4-5	1080
BLU	Blue	PB 15:3	20	8	8	5	4-5	1075
GRE	Green	PG 7	23	8	8	5	4-5	1160
BLA	Black	PBk 7	16	8	8	5	5	1085
IRB	NIR Black	PBr 29	65	8	8	5	5	2500

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.