Economical VOC free* colorants for in-plant water-based applications

Color Solutions

Hydrasperse™ EU

Vibrantz Technologies understands that paint manufacturers are seeking economical and accurate in-plant tinting solutions to provide a wide color variety for ready mix lines. A well designed in-plant system should yield a net gain in the overall manufacturing process. Whatever the required volume, the color production process needs to be fast and efficient, ensuring quick delivery times and customer satisfaction.

The technical challenges faced by the paint industry are increasingly compounded by changing environmental requirements.

Vibrantz Technologies is the leading producer of VOC free and low VOC colorants in the architectural paint sector. We are expanding this industry leading knowledge to include VOC free technologies for our in-plant portfolio. Solutions for (high solid) solvent-based paints, which are still an important part of the product mix in many areas both within and outside Europe, are also available.

General Information

Application

Hydrasperse EU colorants are designed for in-plant production use. Their high color strength and consistency from batch to batch provides a good base for reproducible and economical colors. The colorant range is designed to ensure a good price/performance balance with a number of economical colorants for a lower overall tint cost.

* All colorants are VOC free, except ERE4 and EVI2.
Find all technical data on the back of this document.

Rev. 01/2023

Properties

High performance colorants are available within the Hydrasperse EU product line to satisfy even the most premium quality requirements needed for exterior use. The vast colorant selection of Hydrasperse EU contains 26 high concentrated colorants ensuring that a wide color space is covered. Hydrasperse EU colorants are VOC free* and have an effective APE free surfactant system. All in-plant colorants are controlled both gravimetrically and volumetrically for factory level precision. Although these colorants are designed for in-plant use, our extensive experience allows us to guarantee that they satisfy the stricter POS requirements for color strength and shade.

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	
EWH1[3]	White	PW 6	72	8	N.A.	5	N.A.	2311
EBK1	Black	PBk 7	41	8	8	5	5	1313
EBK2[3]	Inorganic Black	PBk 11	55	8	8	5	5	2000
EXY1[3]	Oxide Yellow	PY 42	65	8	8	5	5	2019
EXY2[3]	Oxide Orange	PY 42	54	8	8	5	5	1853
EXR2[3]	Oxide Violer	PR 101	64	8	8	5	5	2274
EYE4	Yellow	PY 154	33	8	8	5	5	1174
EYE3[3]	BiVa Yellow	PY 184	60	8	8	4-5	4-5	2225
EYE2	Yellow	PY 138	51	8	7-8	4-5	3-4	1418
EYE1	Yellow	PY 74	51	7-8	6-7	4-5	3	1228
EOR3	Orange	PY 83	42	7-8	6-7	4	3	1190
ERE2	Red Ext.	PR 168	37	8	8	5	4-5	1247
ERE3	Red int.	PR 112	40	8	6	4-5	3	1181
ERE1	Red	PR 254	40	8	8	4-5	4	1254
ERE4[3]	Red	PT 168/ PR 254	20 / 10	8	8	5 / 4-5	4-5 / 4	1307
EXR1[3]	Oxide Red	PR 101	66	8	8	5	5	2141
EMA1	Magenta	PR 122	27	7	7-8	4	5	1150
EBL2[3]	Ultramarine Blue	PB 29	54	8	8	4-5	4-5	1593
EBL1	Blue	PB 15:3	44	8	8	5	4-5	1270
EXG1[3E]	Oxide Green	PG 17	67	8	8	5	5	2415
EGR1	Green	PG 7	20	8	8	5	4-5	1407
EVI1	Violet	PV 23	25	8	8	5	4	1220
EVI2[3]	Violet	PV 19	28	6-7	7-8	4	4	1129
EOR1	Orange	PO 67	50	8	6-7	4-5	2	1236
EOR2	Orange	PO 5	45	6	5	3	2	1209

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.