

Highest colorant strength for universal architectural applications

Color Solutions

Monicolor™ B

Vibrantz Technologies' Monicolor Universal colorants offer a vast selection of colors for the architectural market. Technical specifications within the paint industry are increasingly compounded by ever-changing environmental requirements. Stricter regulations apply to all products in the colorant and paint industry. At the same time, the amount and variety of architectural products such as alkyds and latexes for interior and exterior use continue to grow.

Application

Vibrantz Technologies' complete range of universal Monicolor colorants for architectural applications are suitable for mixing with a variety of latex paints, long oil alkyds, enamels and wood stains.

Properties

The pigmentation of Monicolor colorants has been formulated to meet the performance demands of architectural paints. The range satisfies key performance requirements such as light fastness, accuracy in pastels, opacity and cost effectiveness. There are additional economical yellow and red options in the Monicolor portfolio to ensure a good price/performance ratio. Monicolor colorants ensure accuracy and reproducibility at the point-of-sale. Color and color strength are volumetrically controlled.

Monicolor B

Monicolor B colorants contain <300 g/l of VOCs and is APE free. Propylene glycol is used as a co-solvent, adding to efficient functionality and performance of the dispensing equipment. Monicolor Universal products are also available in C technology, which is VOC and APE free.

Mixed systems

Monicolor colorants are fully compatible with each other and can be used interchangeably to create a customized tinting system.

The color experts at Vibrantz Technologies are at hand to create unique tinting systems that meet your needs, taking into account:

- Technical performance
- Existing POS equipment
- Required color space
- Future needs
- Budget



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	
XT ³	White	PW 6	65	8	N.A.	5	N.A.	2078
TT	Black	PBk 7	9	8	8	5	5	1487
ZT	Yellow	PY 138	12	8	7-8	4-5	3-4	1394
RT ³	Yellow Oxide	PY 42	55	8	8	5	5	1799
VT ³	Red Oxide	PR 101	46	8	8	5	5	1975
ST ³	Umber	PBk 7/ PY 42/PR 101	35	8	8	5	5	1703
KS	Yellow HC	PY 74	20	7-8	6-7	4-5	3	1367
US	Orange Yellow	PY 38	29	7-8	6-7	4	3	1270
PT	Red	PR 168	10	8	8	5	4-5	1439
RD	Red	PR 254	37	8	8	4-5	4	1239
RS	Red	PR 112	20	8	6	4-5	3	1388
MM	Magenta	PR 122	25	7	7-8	4	4-5	1103
MT	Blue	PB 15:4	7	8	8	5	4-5	1415
MS	Blue HC	PB 15:3	28	8	8	5	4-5	1227
LT	Green LC	PG 36	10	8	8	5	4-5	1386
LS	Green LC	PG 7	20	8	8	5	4-5	1450
HS	Red Violet	PV 19	13	6-7	7-8	4	4	1200
FT	Violet	PV 23	2	8	8	5	4	1449

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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