

# Epoxy colorants for Industrial Flooring

Color Solutions

## Temacolor™ EPM

### General Information

Complex processes and time-consuming color matching can turn on-demand color into quite a challenge in industrial floor coating. Creating small and medium batches of colored floor coatings can disrupt production schedules.

Therefore, most manufacturers of floor coatings will only provide their customers with standard colors. The ability to offer a broad range of colors in any quantity with short delivery times creates a significant competitive advantage and enhances customer satisfaction.

### Application

Temacolor EPM is specifically developed for epoxy-based formulations, such as epoxy floor coatings, epoxy tile grout, and floor sealers. This product-specific technology provides excellent compatibility and technical properties for thick film systems.

### Properties

The EPM colorants make it possible to produce thousands of color shades. The Temacolor EPM colorant technology is solvent free and uses epoxy resin, making its performance superior to universal technologies. It has only minimal effect on the physical properties of the floor coatings, such as hardness, gloss and wear resistance.



Temacolor EPM colorants allow manufacturers to take full control over color production, because they are machine- dispensable.

By combining the Temacolor EPM colorants and any gear pump equipment, matching colors becomes an easy task. Colors can be repeated accurately, every time and in any quantity.

A tinting system using Temacolor EPM colorants minimizes the need for color corrections, provides considerable cost savings, and delivers the benefits of color on demand to epoxy floor coatings customers. Now, manufacturers can enhance their service by offering fast delivery of a large number of color shades way beyond the limitations of standard colors.

## **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 <sup>1</sup>		Weather Resistance of Pigment <sup>2</sup>		Density of Colorant (kg/m <sup>3</sup> )
				Mass	Tint	Mass	Tint	
WX 16	White	PW 6	49	8	N.A.	5	N.A.	1733
CM 16	Black	PBk 7	16	8	8	5	5	1160
CX 15	Black Oxide	PBk 11	47	8	8	5	5	1672
CX 16	Black Oxide	PBk33	44	8	8	5	5	1633
YX 15	Yellow Oxide	PY 42	43	8	8	5	5	1578
RX 16	Red Oxide	PR 101	48	8	8	5	5	1757
YL 15	Yellow	PY 74	15	7-8	6-7	4-5	3	1138
ML 15	Magenta	PR 122	14	7	7-8	4	4-5	1124
RM 15	Red	PR 254	19	8	8	4-5	4	1160
BM 16	Blue	PB 15:3	11	8	8	5	4-5	1129
GM 15	Green	PG 7	15	8	8	5	4-5	1181
GX 16	Green Oxide	PG 17	50	8	8	5	5	1762
OH 15	Orange	PO 36	24	8	7-8	5	4-5	1189

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.

<sup>1</sup> Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

<sup>2</sup> Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

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