

On demand color: a challenge for industrial floor coatings

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.

This is why most manufacturers of floor coatings provide their customers with standard colors only. Being able to offer a broad range of colors in any quantity with short delivery times creates a significant competitive advantage.

Application

Temacolor EP 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 13 colorants in the new Temacolor EP family allow thousands of color shades to be produced. The Temacolor EP 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 EP colorants allow manufacturers to take full control over color production, because they are machine-dispensable. By combining the Temacolor EP 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 EP 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, Chromaflo 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.



TEMACOLOR™ EP TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment ¹¹		Weather resistance of pigment ²¹		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
WX15	White	PW 6	54	8	n/a	5	n/a	2.17
YL15	Yellow	PY 74	15	7-8	6-7	4-5	3	1.15
YZ15	BiVa Yellow	PY 184	44	8	8	4-5	4-5	1.87
YX 15	Oxide Yellow	PY 42	43	8	8	5	5	1.62
OH 15	Orange	PO 36	24	8	7-8	5	4-5	1.24
RM 15	Red	PR 254	19	8	8	4-5	4	1.20
RX 15	Oxide Red	PR 101	63	8	8	5	5	2.14
ML 15	Magenta	PR 122	14	7	7-8	4	4-5	1.10
BM 15	Blue	PB 15:3	14	8	8	5	4-5	1.16
GM 15	Green	PG 7	15	8	8	5	4-5	1.21
GX 15	Oxide Green	PG 17	70	7-8	8	5	5	2.28
CX 15	Oxide Black	PBk 11	58	8	8	5	5	1.75
CM 15	Black	PBk 7	16	8	8	5	5	1.38

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

¹¹ Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

²¹ Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

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