

The environmentally friendly colorant solution for solvent-based industrial coatings

Color Solutions

Temacolor™ S

General Information

Faced with increasingly strict environmental regulations, industrial coatings manufacturers require a colorant system with the lowest possible VOC content. They also need better hiding options - especially in the yellow, orange and red areas. Higher pigment content within colorants not only reduces the amount of VOC's used, but also reduces the total cost and overall effect on the coating properties.

Properties

Temacolor S colorant technology for solvent-based industrial coatings has been designed to meet the strict requirements of future VOC regulations. The VOC content of Temacolor S colorants is less than 350 grams per liter, and the solvents are aromatic free.

The binder in Temacolor S technology is compatible with typical resin types used for solvent-based industrial coatings. It is also compatible with long oil alkyds. The pigmentation of Temacolor S colorants has been formulated to meet the needs of modern industrial coatings. The pigment load has been maximized to enable the least amount of colorant usage while ensuring better hiding. This minimizes both the effect on the properties of the coatings and the cost of colorant addition.



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.

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	
TBF	White	PW 6	70	8	N.A.	5	N.A.	2126
TNP	Black LC	PBk 7	4	8	8	5	5	1340
TNF	Black HC	PBk 7	24	8	8	5	5	1134
TNM	Black	PBk 7	13	8	8	5	5	1081
TAM	Yellow Oxide	PY 42	56	8	8	5	5	1857
TEF	Red Oxide	PR 101	65	8	8	5	5	2207
TAF	Yellow	PY 138/ PY 184	44	8	8	4-5/ 4-5	4-5/ 5	1446
TEP	Yellow	PY 139	29	8	8	4	3-4	1166
TAR	Yellow	PY 74	20	7-8	6-7	4-5	3	1129
TAC	BiVa Yellow	PY 184	60	8	8	4-5	4-5	2076
TIM	Red	PR 254	26	8	8	4-5	4	1128
TIF	Red	PR 254	28	8	8	4-5	4	1137
TIP	Magenta	PR 122	13	7	7-8	4	4-5	1056
TAP	Yellow	PBr 24	70	8	8	4-5	4-5	2192
TOF	Blue	PB 15:4	19	8	8	5	4-5	1077
TUF	Green	PG 7	24	8	8	5	4-5	1164
TOM	Red Violet	PV 19	14	6-7	7-8	4	4	1062
TOP	Violet	PV 23	8	8	8	5	4	1049
TEM	Orange	PO 36	27	8	7-8	5	4-5	1142

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.

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