

The colorant system for high performance solvent-based industrial coatings

Paint manufacturers need to be able to rely on their colorant systems and individual colorants to provide color reproducibility, smooth functionality and technical stability while having minimal effect on the properties of the final coating. Performance characteristics such as resistance to weather, chemicals and heat must be excellent.

Application

Chromaflo Technologies' Temacolor T colorant technology is compatible with typical resin types used in solvent-based industrial coatings. The pigmentation of Temacolor T has been formulated to meet the high technical performance needs of solvent-based industrial coatings.

Properties

The colorants contain binder and aromatic solvents that offer a maximum VOC content of 600 grams per liter. Temacolor T is market leading colorant technology with proven reliability and exceptional functionality. In addition to the high quality pigments for red and yellow, which provide excellent weather, heat and chemical resistance, there are additional economical options in the Temacolor T portfolio to ensure a good price performance balance. The vast colorant selection also ensures that the entire color space is covered.

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™ T TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment ¹⁾		Weather resistance of pigment ²⁾		Heat Fastness of Pigment (°C)	Density of Colorant (g/ml)
				Full	Tint	Full	Tint		
25	White	PW 6	69	8	n/a	5	n/a	200	2.04
32	Citron Yellow	PY 138	30	8	8	4-5	4	200	1.17
81	Citron Yellow Strong	PY 138	43	8	8	4-5	4	200	1.24
70	Citron Yellow	PY 74	29	7-8	6-7	4-5	3	140	1.04
33	Orange Yellow	PY 83	16	7-8	6-7	4	3	200	1.13
28	Honey Yellow	PBr 24	69	8	8	4-5	4-5	200	2.05
22	Oxide Yellow	PY 42	56	8	8	5	5	180	1.73
26	Orange	PO 36	15	8	7-8	5	4-5	160	1.37
71	Red	PR 112	35	8	6	4-5	3	180	1.13
35	Red	PR 254	40	8	8	4-5	4	200	1.15
74	Rubine	PR 48:4	25	7	6	-	2	200	1.09
31	Oxide Red	PR 101	65	8	8	5	5	200	2.01
62	Magenta	PR 122	12	7	7-8	4	4-5	200	1.03
29	Bordeaux	PV 19	17	7	7-8	4	4	200	1.05
67	Violet	PV 23	12	8	8	5	4	160	1.02
23	Blue	PB 15:4	14	8	8	5	4-5	200	1.20
30	Blue	PB 15:6	25	8	8	5	4-5	200	1.08
24	Green	PG 7	16	8	8	5	4-5	200	1.34
34	Black	PBk 7	4	8	8	5	5	200	1.42
21	Black Strong	PBk 7	24	8	8	5	5	200	1.27
60	Deep Black	PBk 7	14	8	8	5	5	200	1.09

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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