

## The environmentally friendly colorant solution for solvent-based industrial coatings

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.



## TEMACOLOR™ S TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment <sup>11</sup>		Weather resistance of pigment <sup>21</sup>		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
TBF	White	PW 6	70	8	n/a	5	n/a	2.10
TAF	Yellow	PY 138 / PY 184	44	8 / 8	8 / 8	4-5 / 4-5	4 / 4-5	1.48
TAP	Yellow	PBr 24	70	8	8	4-5	4-5	2.16
TAM	Yellow Oxide	PY 42	56	8	8	5	5	1.85
TEP	Orange Yellow	PY 139	29	8	8	4	3-4	1.17
TEM	Orange	PO 36	27	8	7-8	5	4-5	1.13
TIM	Red	PR 254	26	8	8	5	4-5	1.11
TIF	Red	PR 254	28	8	8	4-5	4	1.12
TEF	Red Oxide	PR 101	65	8	8	5	5	2.19
TIP	Magenta	PR 122	13	7	7-8	4	4-5	1.04
TOM	Bordeaux	PV 19	14	7	7-8	4	4	1.04
TOP	Violet	PV 23	8	8	8	5	4	1.04
TOF	Blue	PB 15:4	19	8	8	5	4-5	1.06
TUF	Green	PG 7	24	8	8	5	4-5	1.14
TNP	Black	PBk 7	4	8	8	5	5	1.37
TNF	Black Strong	PBk 7	24	8	8	5	5	1.13
TNM	Black	PBk 7	13	8	8	5	5	1.10

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

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

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

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

