

Colorants and Color Systems for Water-based Industrial Applications

Chroma-Chem 895 colorants are designed for use in water-based industrial coatings.

Based on a homo-polymeric water-compatible resin, Chroma-Chem 895 colorants can be used in a variety of water-reducible and emulsion coatings in both air-dry and baking systems, such as:

- Acrylics
- Polyesters
- Alkyds
- 2K Polyurethanes
- 2K Epoxies

Properties

Developed for the growing demand for environmentally friendly coatings, Chroma-Chem 895 colorants provide the following advantages to bring additional value to your color system:

- Low-VOC, APE-free and glycol free colorants in compliance with current and future legislation.
- Chroma-Chem 895 colorants contain less than 10 grams per liter of VOC.
- Colorants, based upon a homo-polymeric resin, having little or no effect on gloss, dry time, water resistance, hardness and other performance properties of the coating system.
- Broad compatibility in a wide range of coatings with minimum impact on paint properties.
- Pigment selection and concentration according to requirements for industrial applications such as: light- and weather fastness and chemical resistance.

- Colorants for water-based coating applications such as: Industrial coatings, wood & furniture coatings, protective & marine coatings and concrete protection & flooring.
- Color system with a broad range of color formulations such as RAL, NCS II and Chroma-Chem industrial color collection.
- Due to tight specifications the colorants are applicable for volumetric and gravimetric use in POS and In-Plant tinting systems.

Legislation challenge industrial paint producers towards environmentally friendly water-based products. Chroma-Chem 895 is the colorant system that fulfills all legal requirements for modern, high-quality coatings.

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.



CHROMA-CHEM® 895 TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment		Weather resistance of pigment		Solvent Fastness	Heat Stability	Density of Colorant (g/ml)
				Full	Tint	Full	Tint			
895-0005 ATW	White	PW 6	68	8	8	5	5	5	>200°C	2.10
895-0405 AQR	Quinacridone Red	PV 19	23	6-7d	7	3-4d	3-4	4-5	200°C	1.13
895-0725 ARE	Red	PR 112	28	7-8	6	4-5	3	4-5	150°C	1.14
895-0905 AUO	Lead Free Orange	PO 36/PO 34	29	8/6-7	7-8/5-6	5/3-4d	4/1-2	4-5/3-4	160/200°C	1.19
895-1006 ARO	Red Iron Oxide	PR 101	46	8	8	5	5	5	>200°C	1.64
895-1315 ABN	Raw Umber	PR 101/PY 42/PBk 11	47	8	8	5	5	5	>200°C	1.69
895-1806 AYO	Yellow Iron Oxide	PY 42	50	8	8	5	5	5	180°C	1.70
895-2505 AMY	Lead Free Med. Yellow	PY 151/PY 83	38	7-8/7-8d	7-8/6-7	4/4d	4/3	4-5/3-4	200/200°C	1.27
895-2525 AYE	Yellow	PY 74	32	7-8	7	4-5	3-4	3-4	150°C	1.16
895-2605 AOY	Organic Yellow	PY 175	20	6-7	6-7	5	4	4	180°C	1.12
895-5505 APG	Phthalo Green	PG 7	21	8	8	5	5	5	200°C	1.18
895-7205 APB	Phthalo Blue	PB 15:2	24	8	8	5	5	5	200°C	1.14
895-9406 AQV	Quinacridone Violet	PV 19	19	6-7d	7	3-4d	3-4	4-5	200°C	1.12
895-9905 ALB	Lamp Black	PBk 7	23	8	8	5	5	5	>200°C	1.16

[d] = Color turns darker

All data obtained from pigment suppliers, individual testing is recommended.

Weather Fastness is measured on scale 1 to 5, where 1 is severe change and 5 is no change.

Light Fastness is measured on scale 1 to 8, where 1 is severe change and 8 is no change.

Solvent Fastness (test performed with several commonly used solvents) is measured on scale 1 to 5, where 1 is severe change and 5 is no change.

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Published: July 2014

