

# Colorants and Color Systems for Water-based Industrial Applications

Color Solutions

## ChromaChem® 895

### General Information

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
- Alkyds
- Polyesters
- 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 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, Vibrantz 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 <sup>1</sup>		Weather Resistance of Pigment <sup>2</sup>		Density of Colorant (kg/m <sup>3</sup> )
				Mass	Tint	Mass	Tint	
895-0005 ATW	White	PW 6	68	8	N.A.	5	N.A.	2077
895-9905 ALB	Lamp Black	PBk 7	23	8	8	5	5	1161
895-1806 AYD	Yellow Iron Oxide	PY 42	50	8	8	5	5	1719
895-1006 ARO	Red Iron Oxide	PR 101	46	8	8	5	5	1649
895-2505 AMY	Lead Free Medium Yellow	PY 151/ PY 83	38	8/ 7-8	7-8/ 6-7	5/ 4	4-5/ 3	1281
895-2525 AYE	Yellow	PY 74	32	7-8	6-7	4-5	3	1164
895-2605 AOY	Organic Yellow	PY 175	20	7-8	7-8	5	4	1109
895-0725 ARE	Red	PB 112	28	8	6	4-5	3	1140
895-1315 ABN	Raw Umber	PR 101/ PU 42/ PBk 11	47	8	8	5	5	1690
895-7205 APB	Phthalo Blue	PB 15:2	24	8	8	5	4-5	1121
895-5505 APG	Phthalo Green	PG 7	21	8	8	5	4-5	1170
895-0405 AQR	Quinacridone Red	PV 19	23	6-7	7-8	4	4	1116
895-940 AQV	Quinacridone Violet	PV 19	19	6-7	7-8	4	4	1124
895-0905 AUO	Lead Free Orange	PO 36/ PO 73	29	8/ 8	7-8/8	5/ 4-5	4/ 4-5	1266

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

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

<sup>2</sup> Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

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