

Pigment Dispersions for Water-Based Coatings

The CHROMA-CHEM® 895 colorants have been formulated for use in most alkaline water-based coatings. The colorants are low VOC and APE-free. They are designed for use in water reducible and emulsion coatings (air-dry and bake).

Key Benefits

The CHROMA-CHEM® 895 colorants contains a carefully selected blend of vehicle, water, pigment and surfactants to provide acceptance in a wide range of waterborne applications. The effects of color flooding and floating has been minimized through the use the dispersing resin and additive packages in these formulations. The colorants will impart minimal or no effect on gloss, dry-time, water-resistance, film hardness, corrosion-resistance, and foaming.

The pigments selected for these colorants provide a wide-range of hues, good durability, lightfastness and chemical resistance. We recommend testing under both actual and accelerated conditions, to determine suitability for the desired industrial coating application.

The tint strength of the colorants is controlled by volume to $\pm 2\%$ to ensure optimal tinting performance in volumetric dispensing equipment. The lot-to-lot density of the colorants are also very consistent to provide reliable in-plant tinting capabilities.

Applications

The CHROMA-CHEM® 895 line is formulated for use in most water-based industrial coatings including, but not limited to, concrete protection, general industrial finishes, general OEM, industrial maintenance, marine, protective and wood coatings.

Properties

The CHROMA-CHEM® 895 colorants have been formulated with a very low VOC content (less than 10 grams/liter). Rheological properties are closely controlled to allow for use in volumetric dispensing equipment.

Due to the lack of glycols, more care must be taken when handling and dispensing these colorants compared to conventional waterborne colorants. Dispensability will not be affected if the disperser system is properly maintained.

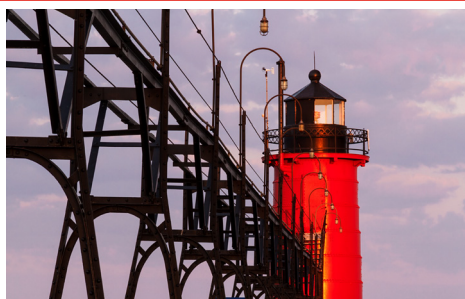
Compatibility

The CHROMA-CHEM® 895 colorants have been evaluated in a large number of aqueous coating-types. Results are consistent with the individual, typical pigment properties, and good results are expected in a wide variety of industrial coatings applications such as two-pack polyurethanes, waterborne epoxies, wood coatings, and coatings for plastics.

Shelf Life

Proper handling is essential to maintain good quality. It is recommended that the colorants be mixed prior to use. Containers should be tightly sealed when not in use. Repacking the colorant into a smaller container should be considered if the colorant level in the container is less than 20% of the original amount and will be stored for a extended period of time.

Shelf life on the CHROMA-CHEM® 895 colorants is 3 years for most colorants and 2 years for white and oxide colorants from the date of manufacture in unopened containers.



INDUSTRIAL MAINTENANCE



GENERAL OEM



WOOD COATINGS

CHROMA-CHEM® 895 TECHNICAL DATA

| Product Code | Description | CI Name | Canister Code | %Pigment | | %Non-Volatiles | | %Water | | Specific Gravity | Pigment Lightfastness | | Pigment Resistance | |
|--------------|---------------------|-----------------|---------------|----------|--------|----------------|--------|--------|--------|------------------|-----------------------|------|--------------------|--------|
| | | | | X Wt. | X Vol. | X Wt. | X Vol. | X Wt. | X Vol. | | Mass | Tint | Acid | Alkali |
| 895-0005 | Titanium White | White 6 | ATW | 68.6 | 37.0 | 13.0 | 24.7 | 18.4 | 38.3 | 2.14 | N | N | N | N |
| 895-0405 | Quinacridone Red | Violet 19 | AQR | 22.8 | 17.2 | 18.5 | 17.9 | 58.7 | 64.9 | 1.12 | S | S | N | N |
| 895-0724 | Organic Red | Red 254 | ARX | 23.5 | 16.7 | 22.8 | 22.3 | 53.7 | 61.0 | 1.15 | N | ** | N | N |
| 895-0905 | Orange - Lead Free | Orange 34 / 36 | AUO | 28.8 | 20.2 | 19.0 | 19.0 | 52.2 | 60.8 | 1.18 | S | S | N | N |
| 895-0975 | Medium Orange | Orange 36 | AOX | 38.7 | 44.6 | 35.4 | 35.6 | 25.9 | 19.8 | 1.16 | N | N | N | N |
| 895-1006 | Red Oxide | Red 101 | ARO | 45.6 | 15.1 | 22.4 | 32.4 | 32.0 | 52.5 | 1.66 | N | N | N | N |
| 895-1305 | Burnt Umber | Brown 7 | ABU | 33.6 | 12.9 | 19.6 | 23.6 | 46.8 | 63.5 | 1.46 | N | N | N | N |
| 895-1806 | Yellow Oxide | Yellow 42 | AYO | 52.1 | 21.7 | 16.4 | 24.4 | 31.5 | 53.9 | 1.73 | N | N | N | N |
| 895-2505 | L/F Medium Yellow | Yellow 83 / 151 | AMY | 39.1 | 25.3 | 16.7 | 18.5 | 44.2 | 56.2 | 1.27 | S | S | N | N |
| 895-2605 | Organic Yellow | Yellow 175 | AOY | 19.2 | 13.8 | 14.0 | 13.0 | 66.8 | 73.2 | 1.09 | N* | ** | ** | ** |
| 895-5505 | Phthalo Green | Green 7 | APG | 21.8 | 11.2 | 15.4 | 15.2 | 62.8 | 73.6 | 1.16 | N | N | N | N |
| 895-7205 | Phthalo Blue | Blue 15:2 | APB | 24.5 | 11.9 | 15.6 | 19.8 | 59.9 | 68.3 | 1.14 | N | N | N | N |
| 895-9406 | Quinacridone Violet | Violet 19 | AQV | 21.0 | 15.6 | 22.5 | 21.7 | 56.5 | 62.7 | 1.10 | S | S | N | N |
| 895-9905 | Lamp Black | Black 7 | ALB | 20.9 | 13.2 | 18.4 | 17.9 | 60.7 | 68.9 | 1.15 | N | N | N | N |
| 895-9906 | Lamp Black | Black 7 | ACB | 22.5 | 14.4 | 20.4 | 19.8 | 57.1 | 65.8 | 1.15 | N | N | N | N |

| Lightfastness and Resistance Key | | | |
|----------------------------------|--------------------------|----|----------------------------------|
| N | no bleed / discoloration | * | no Florida data, only Fadeometer |
| S | slight | ** | no data |
| A | appreciable | | |

*Lightfastness and Resistance information is provided for guidance purposes only.
Source: NPIRI Raw Materials Data Handbook Volume 4 (Copyright © 2000)*

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