Chromaflo Technologies

CHROMA-CHEM® 844x

Colorants and Color Systems for Solvent-based Industrial Applications

Chroma-Chem 844x colorants are specifically designed for tinting high performance, nonaqueous, industrial and maintenance coatings.

Based on a unique proprietary acrylic resin Chroma-Chem 844x colorants show a broad compatibility in various solvent-based systems such as:

- Acrylics
- Alkyds
- Cellulosic Lacquers
- Polyurethanes
- Chlorinated rubber
- Vinyl lacquers
- Polyesters
- Epoxies
- Melamine formaldehyde
- Urea formaldehyde

Properties

Designed for the specific needs of European industrial paint and coatings producers, Chroma-Chem 844x provides the following advantages to bring additional value to your color system:

- APE-free colorants.
- Unique acrylic resin providing excellent wetting and dispersing properties.
- 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 solvent-based coating applications such as: Industrial coatings, wood & furniture coatings, protective & marine coatings and concrete protection & flooring.
- Broad range of color collection available 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.
- Amine-free colorants which do not react with isocyanates.

Chroma-Chem 844x colorants meet all requirements for a high-performance coating system in terms of compatibility, pigment selection, gloss, gloss retention, hardness, adhesion, effects of over-bake, effects of acid, alkali, solvent and water resistance, as well as several other key performance factors.

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®

CHROMA-CHEM® 844x 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			
844-0071 TWx	White	PW 6	67	8	8	5	5	5	>200°C	1.88
844-0461 QRx	Quinacridone Red	PV 19	22	6-7d	7	3-4d	3-4	4-5	200°C	1.03
844-0992 UOx	Lead Free Orange	PO 36/PO 34	23	8/6-7	7-8/5-6	5/3-4d	4/1-2	4-5/3-4	160/200°C	1.05
844-1071 ROx	Red Iron Oxide	PR 101	60	8	8	5	5	5	>200°C	1.96
844-1362 BUx	Burnt Umber	PBr 7	45	8	8	5	5	5	>200°C	1.40
844-1871 YOx	Yellow Iron Oxide	PY 42	50	8	8	5	5	5	180°C	1.61
844-2565 MYx	Lead Free Medium Yellow	PY 151/PY 83	36	7-8/7-8d	7-8/6-7	4/4d	4/3	4-5/3-4	200/200°C	1.17
844-2852 OYx	Organic Yellow	PY 175	28	7-8	7-8	5	4	4	180°C	1.08
844-5568 PGx	Phthalo Green	PG 7	23	8	8	5	5	5	200°C	1.09
844-7272 PBx	Phthalo Blue	PB 15:2	24	8	8	5	5	5	200°C	1.05
844-9461 QVx	Quinacridone Violet	PV 19	19	6-7d	7	3-4d	3-4	4-5	200°C	1.04
844-9965 LBx	Lamp Black	PBk 7	21	8	8	5	5	5	>200°C	1.08

[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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www.chromaflo.com