Chroma-Chem® Tint-Ayd® EP

Pigment Dispersions for Epoxy Coatings

Tint-Ayd® EP colorants are solvent-based colorants formulated using a standard epoxy resin for tinting two component industrial epoxy coatings. These products use an epoxy resin with broad compatibility that produces a color system designed to provide excellent color performance in tinting or full pigmentation in most epoxy systems.

Key Benefits

Tint-Ayd® EP colorants are stable, free-flowing pigment concentrates recommended for use in epoxy industrial coatings. They have excellent compatibility with a wide variety of coatings and have a rheological profile suitable for POS and in-plant tinting applications.

These colorants are based on a monomer-free epoxy resin. The dispersing resin was chosen because of its broad compatibility with a variety of coatings chemistries. The colorants contain up to 60% solvent by weight to improve flow and handling. They are formulated to be thixotropic to resist pigment settling and syneresis.

Properties

The resin in the Tint-Ayd® EP colorants is reactive. This resin will become part of he final film provided the base system is also reacted with conventional monomers and catalysts or other curatives.

The Tint-Ayd® EP colorants contain xylene and n-butanol. VOC levels generally run between 350 and 600 g/L. Rheological properties are suitable for in-plant tinting or dispenser tinting.

Applications

The Tint-Ayd® EP colorants are formulated for use in many industrial coatings including, but not limited to coil, concrete protection, gel coats, general industrial finishes, industrial maintenance, and wood coatings.

Compatibility

Tint-Ayd® EP colorants are recommended for use in solvent-based epoxy coatings. These colorants will also be compatible with diluents commonly used in epoxy coatings. However, the level of diluent can affect the performance of the colorants. Color control additives are recommended to be incorporated into the base prior to colorant addition.

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 Tint-Ayd® EP colorants is 4 years from the date of manufacture in unopened containers.

CHROMA-CHEM® Tint-Ayd® EP TECHNICAL DATA

chroma-chem

Product Code	Description	CI Name	% Pigment		% Non-Volatiles		% Volatiles		Specific Gravity	VOC[a]	Pigment Lightfastness		Pigment Resistance	
			X Wt.	X Vol.	X Wt.	X Vol.	X Wt.	X Vol.		g/L	Mass	Tint	Acid	Alkali
EP 30-01	Rutile Titanium Dioxide	White 6	58.0	25.5	22.0	32.5	20.0	42.0	1.80	360	N	N	N	N
EP 30-23	Phthalo Blue NFNC	Blue 15:2	16.0	9.2	30.0	27.1	54.0	63.7	1.01	544	N	N	N	N
EP 30-35	Tinting Black	Black 7	20.0	11.5	30.0	28.9	50.0	59.6	1.01	504	N	N	N	N
EP 30-43	Light Lemon Yellow Oxide	Yellow 42	48.0	18.3	24.0	31.2	28.0	50.5	1.53	430	N	N	N	N
EP 30-47	Organic Yellow- Primrose	Yellow 97	18.0	13.1	25.0	20.0	57.0	66.9	0.99	567	N	N	N	N
EP 30-61	Red Oxide Medium	Red 101	55.0	11.5	20.0	32.4	25.0	56.1	1.92	384	N	N	N	N
EP 30-7l	Phthalo Green	Green 7	15.0	7.2	26.0	22.9	59.0	69.9	1.01	594	N	N	N	N

[a] Expected values based on formulation

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

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

Chromaflo Technologies

Where Art Meets Technology

CHROMAFLO.COM

Published January 2020 Americas