+ Chroma-Chem® Tint-Ayd® HS

Pigment Dispersions for Solvent-Based Coatings

Tint-Ayd® HS colorants are low VOC, polyester-based colorants for tinting high-performance solvent-based and high-solids industrial coatings. These colorants are compatible with a wide range of industrial coatings chemistries.

Key Benefits

Tint-Ayd® HS colorants are stable, free-flowing solvent-free concentrates recommended for use in high-performance single- or two-component solvent-based 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 polyester resin. The dispersing resin was chosen because of its broad compatibility with a variety of coatings chemistries. These colorants are formulated to be thixotropic to resist pigment settling and syneresis.

Properties

The resin in the Tint-Ayd® HS colorants is reactive. This resin will be reactive in the final film provided the base system is also reacted with conventional monomers and/or catalysts.

The Tint-Ayd® HS colorants do not contain any added solvents. Due to the potential volatile content within the raw materials used in these colorants, the expected VOC levels should be less than 20 g/L.

Applications

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

Compatibility

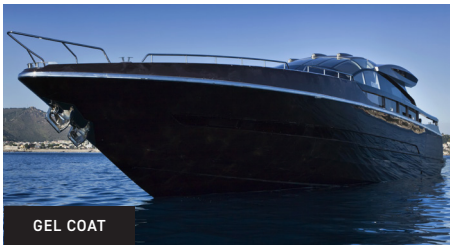
Tint-Ayd® HS colorants are recommended for use in a wide variety of solvent-based coating systems such acrylic, vinyl acrylic, polyester, polyaspartic, long-oil alkyd, medium-oil alkyd, short-oil alkyd, alkyd melamine, styrenated alkyd, vinyl toluene alkyd, alkyd urea, cellulose acetate butyrate, two-component epoxy (100% solids), and vinyl epoxy.

If the Tint-Ayd HS line is used to tint thermoplastic coatings, it is recommended that thorough testing to the tinted coatings is performed prior to commercialization. Since the Tint-Ayd HS colorants contain a functional resin, the colorants may act as a plasticizer in thermoplastic coatings.

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® HS colorants is 4 years from the date of manufacture in unopened containers.



CHROMA-CHEM® Tint-Ayd® HS 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
HS 20003	TW White	White 6	61.1	28.5	38.4	70.5	0.5	1.0	1.91	<20	N	N	N	N
HS 20451	YO Yellow Oxide	Yellow 42	56.3	24.6	43.2	74.5	0.5	0.9	1.79	<20	N	N	N	N
HS 20610	RO Red Oxide	Red 101	62.0	25.3	37.6	73.8	0.4	0.9	2.04	<20	N	N	N	N
HS 20703	PG Phthalo Green	Green 7	21.2	11.9	77.7	86.9	1.1	1.3	1.16	<20	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)

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