

+ Chroma-Chem® Tint-Ayd® ST

Pigment Dispersions for Solvent-Based Coatings

Tint-Ayd® ST colorants are solvent-based acrylic colorants for tinting high-performance industrial coatings. These colorants have broad compatibility and are an exceptional universal tinting system for multiple coatings chemistries.

► Key Benefits

Tint-Ayd® ST colorants are stable, free-flowing solvent-based 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 most tinting applications.

These colorants are based on a thermoplastic acrylic resin. The dispersing resin was chosen because of its broad compatibility with multiple coatings chemistries. These colorants are formulated to be thixotropic to resist pigment settling and syneresis.

Since the vehicle system is nonreactive, the Tint-Ayd® ST dispersions will not cause viscosity increase or gelling as a result of premature cross-linking. These dispersions can be used to tint either or both sides of most two-component coatings systems.

► Properties

The resin in the Tint-Ayd® ST colorants is non-functional. It does not contain any hydroxyl, carboxyl, or amine functional groups. Therefore, it will not cross-link in 2K coatings. While suitable for use in 2K systems, the final coating properties should be fully tested.

These colorants contain a mixture of PM Acetate and Aromatic 100. These colorants are formulated with VOC levels under 600 g/L.

► Applications

The Tint-Ayd® ST colorants are formulated for use in most solvent-based industrial coatings including, but not limited to, automotive OEM, concrete protection, general industrial finishes, general OEM, industrial maintenance, marine, and protective coatings.

► Compatibility

Tint-Ayd® ST colorants are recommended for use in a wide variety of solvent-based coating systems such as acrylic, nitrocellulose, vinyl acrylic, polyester, long-oil alkyd, styrenated alkyd, medium-oil alkyd, alkyd melamine, short-oil alkyd, vinyl toluene alkyd, alkyd urea, cellulose acetate butyrate, chlorinated rubber, two-component epoxy, two-component urethane, epoxy ester, and vinyl.

► 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 an extended period of time.

Shelf life on the Tint-Ayd® ST colorants is 3 years from the date of manufacture in unopened containers.



Product Code	Description	CI Name	% Pigment		% Non-Volatiles		% Volatiles		Specific Gravity	VOC ^a g/L	Pigment Lightfastness		Pigment Resistance	
			X Wt.	X Vol.	X Wt.	X Vol.	X Wt.	X Vol.			Mass	Tint	Acid	Alkali
ST 8003	Non-Chalking Titanium Dioxide	White 6	65.0	31.8	15.0	26.7	20.0	41.5	1.89	379	N	N	N	N
ST 8115	Quinacridone Violet	Violet 19	12.0	8.9	35.0	33.7	53.0	57.4	0.99	528	S	S	N	N
ST 8119	Carbazole Violet	Violet 23	10.0	6.9	36.0	33.9	54.0	59.2	0.99	538	N	N	N	N
ST 8292	Phthalo Blue (Green Shade)	Blue 15:4	22.0	14.5	31.0	30.9	47.0	54.6	1.07	502	N	N	N	N
ST 8298	Phthalo Blue NFNC	Blue 15:2	22.0	14.2	31.0	30.9	47.0	54.9	1.07	502	N	N	N	N
ST 8317	Tinting Black	Black 7	28.0	18.9	30.0	29.6	42.0	51.5	1.11	469	N	N	N	N
BB 1355	Medium Jetness Masstone Black	Black 7	21.0	13.3	31.0	31.5	48.0	55.2	1.11	536	N	N	N	N
BB 1379	High Jetness Masstone Black	Black 7	18.0	10.7	29.0	26.1	53.0	63.2	1.04	563	N	N	N	N
ST 8451	Light Lemon Yellow Oxide	Yellow 42	55.0	22.8	22.0	34.7	23.0	42.5	1.67	384	N	N	N	N
ST 8454	Light Organic Yellow	Yellow 151	26.0	17.8	32.5	32.9	41.5	49.3	1.08	448	N*	N*	N	A
ST 8466	Isoindoline Yellow	Yellow 139	20.0	12.2	33.0	32.6	47.0	55.2	1.05	496	N*	N*	N	S
ST 8499	Transparent Yellow Oxide	Yellow 42	27.0	9.0	37.0	41.3	36.0	49.7	1.23	445	N	N	N	N
ST 8507	Raw Umber	Brown 7	55.0	26.8	20.0	27.4	25.0	45.8	1.62	402	N	N	N	N
ST 8509	Burnt Umber	Brown 7	50.0	24.1	23.0	30.5	27.0	45.4	1.52	402	N	N	N	N
ST 8600	Transparent Red Oxide	Red 101	27.0	8.5	37.0	41.1	36.0	50.4	1.26	453	N	N	N	N
ST 8610	Red Oxide Light	Red 101	56.0	19.6	21.0	34.4	23.0	46.0	1.80	414	N	N	N	N
ST 8614	Red Oxide Dark	Red 101	60.0	22.2	22.0	39.8	18.0	38.0	1.92	339	N	N	N	N
ST 8619	Diarylide Orange	Orange 34	22.0	16.4	30.0	27.3	48.0	56.3	1.04	501	A	A	N	N
ST 8625	Quinacridone Red	Violet 19	19.0	13.4	30.0	29.6	51.0	57.0	1.03	526	S	S	N	N
ST 8657	Organic Scarlet (Low Fade)	Red 188	23.0	16.9	32.0	31.9	45.0	51.2	1.04	470	N*	S*	N	N
ST 8668	Light Organic Red	Red 170	22.0	17.0	30.0	28.0	48.0	55.0	1.02	489	N*	S*	N	N
ST 8673	Deep Organic Red	Red 170	20.0	14.7	28.0	27.3	52.0	58.0	1.03	536	N*	S*	N	N
ST 8684	BON Maroon	Red 52:2	23.0	14.9	30.0	29.4	47.0	55.7	1.04	491	S	A	A	A
ST 8703	Phthalo Green	Green 7	23.0	12.0	32.0	33.2	45.0	54.8	1.11	502	N	N	N	N
ST 8745	Phthalo Green (Yellow Shade)	Green 36	24.0	9.6	35.0	37.5	41.0	52.9	1.18	482	N	N	N	N

^a Expected values based on formulation

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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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