Pigment Dispersions for Solvent-Based Coatings

Color Solutions

Chroma-Chem® Tint-Ayd® CW/WD

General Information

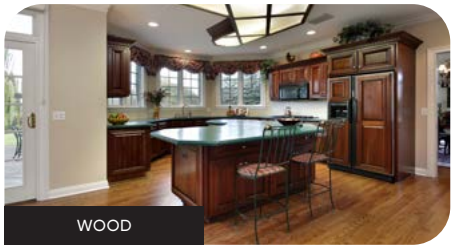
Tint-Ayd AL colorants are solvent-based colorants for tinting alkyd and oil-based industrial coatings. These colorants have excellent compatibility and are an exceptional universal tinting system for wood coatings chemistries.

Key Benefits

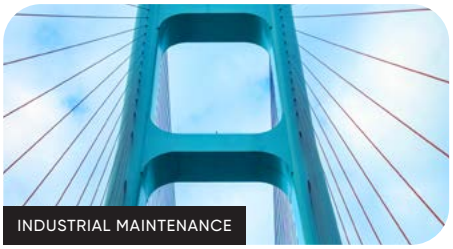
Tint-Ayd AL colorants are stable, free-flowing solvent-based concentrates recommended for use in many trades sales, maintenance and general industrial coatings. They have excellent compatibility with a wide variety of coatings, but are well suited for alkyd-based coatings. This colorant line has a rheological profile suitable for most tinting applications.

These colorants are based on a blend of dispersants or alkyd resins. The dispersants used in each product were chosen because of their broad compatibility as well as its ability to stabilize the pigment. These colorants are formulated to be thixotropic to resist pigment settling and syneresis.

Many of the pigments used in this line are specifically chosen because they are well suited for wood and other lacquer coatings. Many of the pigments have very good lightfastness. Other pigments are more suited for interior applications.


WOOD


GENERAL INDUSTRIAL FINISHES


INDUSTRIAL MAINTENANCE

Rev. 01/2023

Properties

The Tint-Ayd AL colorants are generally formulated for in-plant tinting. The rheological profile of some of the colors in the line make them suitable for use in dispenser tinting. These colorants contain mineral spirits. The VOC levels of these colorants is under 600 g/L.

Applications

The Tint-Ayd AL colorants are formulated for use in many solvent-based industrial coatings including, but not limited to, general industrial finishes, industrial maintenance, and wood coatings.

Compatibility

Tint-Ayd AL colorants are recommended for use in a wide variety of solvent-based coating systems such nitrocellulose, polyester, long-oil alkyd, medium-oil alkyd, short-oil alkyd, styrenated alkyd, alkyd melamine, vinyl toluene alkyd, alkyd urea, alkyd-modified urethane, oil-modified urethane, silicone alkyd, bodied oil, epoxy ester, hydrocarbon, and phenolic.

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 AL colorants is four years from the date of manufacture in unopened containers.

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
AL 103	Rutile Titanium Dioxide	White 6	65.0	29.6	22.0	39.0	13.0	31.4	1.87	243	N	N	N	N
AL 215	Quinacridone Violet	Violet 19	22.0	13.8	42.0	40.7	36.0	45.5	0.97	350	S	S	N	N
AL 219	Carbazole Violet	Violet 23	17.5	11.5	40.0	35.8	42.5	52.7	0.96	408	N	N	N	N
AL 298	Phthalo Blue NFNC	Blue 15:2	22.0	13.9	39.0	35.3	39.0	50.8	1.01	393	N	N	N	N
AL 317H	Tinting Black	Black 7	28.0	16.5	33.0	31.5	39.0	52.0	1.03	402	N	N	N	N
AL 329	High Strength Tinting Black	Black 7	30.0	17.6	30.0	28.4	40.0	54.0	1.05	422	N	N	N	N
BB 1331	Masstone Black	Black 7	22.0	12.5	36.0	33.5	42.0	54.0	0.99	418	N	N	N	N
AL 424	High Strength Hansa Yellow	Yellow 74	30.0	20.0	30.0	29.2	40.0	50.8	0.98	393	N	N	N	N
AL 451E	Light Lemon Yellow Oxide	Yellow 42	60.0	24.7	20.0	31.9	20.0	43.4	1.68	336	N	N	N	N
AL 455	Organic Yellow- Primrose	Yellow 97	30.0	21.9	35.0	31.7	35.0	46.4	1.01	353	N	N	N	N
AL 466	Isoindoline Yellow	Yellow 139	25.0	14.7	30.0	26.7	45.0	58.6	1.01	453	N*	N*	N	N
AL 483	Hansa Yellow	Yellow 3	30.0	20.8	31.0	27.2	39.0	52.0	1.03	402	N	N	N	N
AL 492	Organic Yellow- Medium	Yellow 74/ 65	40.0	29.6	25.5	23.0	34.5	47.4	1.07	368	N	A	N	N
AL 499	Transparent Yellow Oxide	Yellow 42	31.5	9.2	30.5	34.8	38.0	56.0	1.14	433	N	N	N	N
AL 505	Burnt Sienna	Brown 7	50.0	21.7	33.0	44.0	17.0	34.3	1.56	265	N	N	N	N
AL 507/ 517	Raw Umber	Brown 7	50.0	21.2	22.0	27.6	28.0	51.2	1.41	396	N	N	N	N
AL 509	Burnt Umber	Brown7	50.0	17.3	22.0	28.4	28.0	54.3	1.50	420	N	N	N	N
AL 516	Van Dyke Brown	Red 101/Black 7	40.0	25.9	26.5	27.6	33.5	46.7	1.01	350	N	N	N	N
AL 600	Transparent Red Oxide	Red 101	30.5	7.8	23.5	25.2	46.0	67.0	1.13	519	N	N	N	N
AL 609	BON Red Light	Red 48:4	25.0	14.6	38.0	36.6	37.0	48.8	1.03	382	S	A	S	A
AL 610	Red Oxide Light	Red 101	60.0	21.7	25.0	42.3	15.0	36.0	1.86	279	N	N	N	N
AL 611A	Red Oxide Medium	Red 101	63.0	24.1	20.0	34.8	17.0	41.1	1.87	318	N	N	N	N
AL 617	Organic Orange	Yellow 97/ Red 188	25.0	18.3	38.0	32.9	37.0	48.8	1.01	373	N*	S*	N	N
AL 619	Diarylide Orange	Orange 34	25.0	17.7	42.0	39.2	33.0	43.1	1.01	332	A	A	N	N
AL 625	Quinacridone Red	Violet 19	20.0	13.3	50.0	48.5	30.0	38.2	0.97	291	S	S	N	N
AL 631	Quinacridone Magenta	Red 122	16.0	10.0	30.0	26.0	54.0	64.0	0.90	486	N	N	N	N
AL 673	Deep Organic Red	Red 170	30.0	22.0	37.0	35.5	33.0	42.5	0.99	329	N*	S*	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)