

+ Chroma-Chem® Tint-Ayd® NV

Pigment Dispersions for Ultra-Low VOC Water-Based Coatings

Tint-Ayd® NV colorants are very highly concentrated solvent-free pigment dispersions specifically engineered to be used in very low-VOC waterborne coatings. These colorants are designed for high-performance industrial coatings.

► Key Benefits

Tint-Ayd® NV colorants are stable, free-flowing, easy-to-use pigment concentrates designed for tinting and full pigmentation applications. The recommended method of tinting with the Tint-Ayd® NV colorants is through in-plant tinting. The colorants are not designed for POS tinting applications.

These colorants are based on an acrylic dispersing resin. They also contain low levels of anionic and nonionic additives to enhance the wetting capabilities of the dispersing resin. These colorants are formulated to be thixotropic to resist pigment settling and syneresis.

► Properties

The Tint-Ayd® NV colorants may be used for both tinting and full pigmentation of waterborne coatings with a pH of neutral or higher. Normal use levels for tinting is up to 5%. For deep tone and masstone colors, colorants levels up to 12.5% (or 16 ounces of colorant per gallon) are typically used.

The Tint-Ayd® NV colorants are formulated with no added VOC's. Due to residual volatile components in most raw materials and the test accuracy for determining actual VOC, the maximum VOC level is expected to be less than 15 g/l VOC.

► Applications

The Tint-Ayd® NV colorants are formulated for use in most aqueous industrial coatings including, but not limited to, aerosols, concrete protection, general industrial finishes, general OEM, industrial maintenance, marine, protective, and wood coatings.

► Compatibility

Tint-Ayd® NV colorants are recommended for use in a wide variety of water reducible and emulsion coating systems such acrylic, polyurethane (PUD) dispersion, vinyl acrylic, water-reducible acrylic, vinyl acetate, water-reducible alkyd, styrene butadiene, water-reducible polyester, epoxy, and water-reducible epoxy.

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



INDUSTRIAL MAINTENANCE



PROTECTIVE



GENERAL INDUSTRIAL FINISHES

Product Code	Description	CI Name	% Pigment		% Non-Volatiles		% Volatiles		Specific Gravity	VOC* g/L	Pigment Lightfastness		Pigment Resistance	
			X Wt.	X Vol.	X Wt.	X Vol.	X Wt.	X Vol.			Mass	Tint	Acid	Alkali
NV 7003	Non-Chalking Titanium Dioxide	White 6	68.0	35.4	5.0	9.6	27.0	55.0	2.04	<15	N	N	N	N
NV 7115	Quinacridone Violet	Violet 19	42.9	33.5	9.4	11.5	47.7	55.0	1.15	<15	S	S	N	N
NV 7292	Phthalo Blue (Green Shade)	Blue 15:4	40.0	28.3	5.5	5.2	54.5	66.5	1.20	<15	N	N	N	N
NV 7317	Tinting Black	Black 7	30.0	15.8	8.5	9.8	61.5	74.4	1.16	<15	N	N	N	N
NV 7345	Masstone Black	Black 7	20.0	15.4	6.5	6.7	73.5	77.9	1.14	<15	N	N	N	N
NV 7401	Organic Yellow Primrose	Yellow 97	35.0	28.2	8.5	8.4	56.5	63.4	1.13	<15	N	N	N	N
NV 7451	Light Lemon Yellow Oxide	Yellow 42	60.0	29.0	6.0	8.3	34.0	62.7	1.84	<15	N	N	N	N
NV 7454	Light Organic Yellow	Yellow 151	34.9	26.7	8.8	9.6	56.3	63.7	1.14	<15	N*	N*	N	A
NV 7466	Isoindoline Yellow	Yellow 139	25.0	16.7	10.5	11.5	64.5	71.8	1.11	<15	N*	N*	N	S
NV 7610	Red Oxide Light	Red 101	60.0	29.1	9.5	11.0	30.5	59.9	1.96	<15	N	N	N	N
NV 7611	Red Oxide Medium	Red 101	60.0	29.5	9.5	12.1	30.5	58.4	1.92	<15	N	N	N	N
NV 7619	Diarylide Orange	Orange 34	45.0	37.1	6.5	5.8	48.5	57.1	1.14	<15	A	A	N	N
NV 7625	Quinacridone Red	Violet 19	40.0	31.1	5.5	5.7	54.5	63.2	1.16	<15	S	S	N	N
NV 7673	Deep Organic Red	Red 170	35.0	29.1	10.0	9.6	55.0	61.3	1.11	<15	N*	S*	N	N

*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)



Where Art Meets Technology