

# HI-TINT DISPERSIONS

## Premium Quality Color Dispersions For Solvent Based Coatings

HI-TINT Color Dispersions are recommended for in-plant tinting of solvent based industrial and trade sales coatings. These high strength dispersions incorporate high quality pigments dispersed in a unique alkyd vehicle. Each HI-TINT Dispersion is formulated at the highest practical pigment concentration to yield excellent tinctorial strength. Therefore, the paint manufacturer needs to add minimum amounts of dispersion to achieve in-plant batch color. Each colorant has been formulated for maximum pigment color value while maintaining a wide range of compatibility and good dispersion characteristics such as non-settling, pourability, flocculation resistance and good shelf life stability.

The color selection in the HI-TINT line was carefully planned to enable the user to produce a broad line of colors, minimizing inventory requirements. Using HI-TINT Dispersions for in-plant tinting can save the coating manufacturer processing time and money by increasing paint output.

HI-TINT products are closely controlled during manufacture and each production batch is checked against our established standards. This means consistency in viscosity and color strength for reliable in-plant tinting results.

Tinting Strength:	+/- 5% on a weight basis
Grind:	6+ minimum

### Compatibility:

HI-TINT Dispersions offer the advantage of broad compatibility in a wide range of solvent borne coatings such as: Alkyds, Modified Alkyds, Epoxies, Epoxy Esters, Polyesters, Polyurethanes, Oil Modified Urethanes, Vinyls, and other solvent based coating systems.

HI-TINT Dispersions have been used in some unique applications where color is required. These applications include adhesive products and high temperature proprietary coatings. Products should be tested by a qualified technician in the specific application prior to full scale use.

### Quality Assurance:

DAY-GLO takes great care in the selection and screening of raw materials. All pigments, vehicles and other ingredients used in the manufacture of our dispersions meet stringent performance specifications.

There are limitations on lightfastness and weathering properties inherent in certain pigments. These weatherability factors cannot be accurately predicted. The final properties of the finished coatings in which our HI-TINT Dispersions are used is dependent on our customers' vehicle system. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.

## **Shelf Life Stability:**

HI-TINT Dispersions have a balanced chemistry for the best shelf life. Most of our dispersions contain additives to give non-settling properties. Dispersions of some heavier pigments may striate with prolonged standing, however, they will disperse readily, even after months of storage.

## **Custom Colors:**

When specialized applications require specific pigments or color requirements, DAY-GLO welcomes your inquiry. Custom colors based on HI-TINT know-how is supported through our technical and manufacturing groups. Our custom products are produced and controlled to the quality standards you specify.

## **Handling:**

HI-TINT products contain solvents that have a flash point of 102°F or greater PMCC. These products are combustible and should be stored away from heat and open flames. Good industry hygiene practices should be observed, and users should avoid prolonged contact with skin and breathing of vapors. HI-TINT products should be used with good ventilation.

## **Packaging:**

HI-TINT Dispersions are available in 5-gallon pails as a standard package size; 55-gallon drums are available as well. Special bulk handling tote bins furnished by the customer can also be used.

## Physical Properties:

Code	Color	Pigment C. I. Number	Lbs./ Gal.	% Pigment	% Volatile	% Vehicle	*Coating V.O.C. grams/liter	Lightfastness	
								Mass	Tint
HT-101	White	White 6	15.5	63.7	12.5	23.8	262	E	E
HT-203	Red Oxide Medium	Red 101	14.3	56.7	15.1	28.2	289	E	E
HT-204	Bon Red Dark	Red 48	8.8	29.9	38.8	31.3	395	G	NR
HT-215	Quinacridone Red	Violet 19	8.1	18.0	31.8	50.2	320	E	E
HT-237	Red Oxide Light	Red 101	16.0	68.0	13.2	18.8	294	E	E
HT-238	Lithol Rubine	Red 57	8.4	26.0	43.6	30.4	433	G	NR
HT-339	Light Yellow	Yellow 74	9.3	35.0	31.3	33.7	307	VG	F
HT-353	Yellow Iron Oxide	Yellow 42	14.0	61.0	23.4	15.6	404	E	E
HT-359	DNA Orange	Orange 5	9.1	43.7	30.8	25.5	410	G	F
HT-392	Perm. Yellow Medium	Yellow 74/83	8.1	30.8	46.2	23.0	549	VG	VG
HT-395	Hansa Yellow 3G	Yellow 73	8.1	25.1	44.7	30.2	437	G	F
HT-411	Brown Iron Oxide	Brown 6	12.0	55.5	21.3	23.2	342	E	E
HT-446	Raw Umber	Brown 7	10.7	50.2	27.5	22.3	401	E	E
HT-461	Burnt Umber	Brown 7	13.4	60.0	21.7	18.3	309	E	E
HT-508	Phthalo Green	Green 7	8.7	25.0	40.6	34.4	423	E	E
HT-626	Iron Blue	Blue 27	9.3	40.6	38.5	20.9	427	G	F
HT-631	Phthalo Blue RS	Blue 15	8.3	23.6	43.9	32.5	422	E	E
HT-633	Phthalo Blue GS	Blue 15	8.3	29.9	41.7	28.4	423	E	E
HT-710	Black (Blue Tone)	Black 6	8.6	27.0	41.5	31.5	425	E	E
HT-711	Black (Carbon)	Black 6	8.6	16.5	37.4	46.1	369	E	E
HT-712	Black (Lampblack)	Black 6	8.5	22.0	42.5	41.0	349	E	E

\*Material and Coating V.O.C. have identical values.

E -- Excellent  
 G -- Good  
 F -- Fair  
 NR -- Not Recommended for Exterior Use  
 VG -- Very Good