

Technical Data Sheet

Fluorescent Water Dispersions

General Description

Water Dispersed AX & T DayGlo Pigments were developed for applications in latex and tempera paints, water colors, paper coatings and other aqueous systems. They are anionically stabilized, offer excellent tinctorial strength and eliminate dusting encountered when using dry pigments. Fluorescent Water Dispersions contain 50% fluorescent pigment and nobinder. They are compatible with a wide range of aqueous systems and are available in two product lines:

Available Colors		
WAX	WT	Color Name
WAX-11	WT-11	Aurora Pink
WAX-12	WT-12	Neon Red
WAX-13	WT-13	Rocket Red
WAX-14	X	Fire Orange
WAX-15	WT-15	Blaze Orange
WAX-17	WT-17	Saturn Yellow
WAX-18	WT-18	Signal Green

Product Line	Application	Properties
WAX	Paper Coating	Contain DayGlo AX Pigments
	Textiles	High tinctorial strength
	Aqueous Inks	Excellent \$ Value
WT	Latex Paint	Contain DayGlo T Pigments
	Tempera Paint	Excellent solvent resistance
	Aqueous Inks	Very good shelf stability
	Waterborne Coating	

Physical Properties	
Percent Pigment Solids	50%
Specific Gravity	1.14
Weight Per Gallon	9.5
Average Viscosity	2,500 CPS
Average pH	6.8-7.2

Compatibility

The pH of a formulation, as well as certain additives, can influence the performance of the fluorescent dispersions and their effects should be tested. We recommend maintaining a pH of 7-8 for best stability.

Color Development

DayGlo Fluorescent Water Dispersions are transparent. To optimize the fluorescent effect they should be applied over white. If adding TiO₂, the amount should not exceed 2% based on the weight of the fluorescent dispersion. The addition of too much white will reduce the fluorescent effect.

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

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Lightfastness

DayGlo Fluorescent Water Dispersions exhibit good lightfastness for interior applications but have limited use in exterior applications. Evaluations should be conducted to determine if the use of DayGlo dispersions will meet lightfastness requirements.

Various approaches can be taken to improve outdoor performance such as:

- Increased loading of DayGlo Dispersions.
- Heavier film deposit or multiple coats.
- Additions of UV stabilizers.
- Clear top coat containing UV stabilizers.

Stability

DayGlo Fluorescent Dispersions offer storage stability of two months. All dispersions should be protected from freezing.