

Technical Data Sheet

SPL-NX Series Fine Grind

General Description

DayGlo SPL-NX Fluorescent Pigment Dispersions are based on a unique formaldehyde-free pigment technology. This product offers a bright, sub-micron, high strength, fluorescent pigment particle with good lightfastness properties. The SPL-NX Dispersions are suspended in water and suitable for use in water based inks and coatings.

The DayGlo SPL-NX Dispersions contain approximately 46% fluorescent pigment dispersed in water and a small percentage of alkali soluble acrylic resin. The SPL-NX Dispersions are V.O.C. (Volatile Organic Compounds) free. They are compatible with a wide range of aqueous systems. Such systems may include the following:

Water Based Flexo Ink
 Water Based Gravure Ink

Waterborne Coatings
 Paper Coatings

Available Colors	
Product Code	Color
SPL-11NX	Aurora Pink
SPL-13NX	Rocket Red
SPL-14NX	Fire Orange
SPL-15NX	Blaze Orange
SPL-17NX	Saturn Yellow
SPL-18NX	Signal Green
SPL-19NX (GS)	Horizon Blue
SPL-21NX	Corona Magenta
SPL-25NX (NS)	Horizon Blue
SPL-594NX	Invisible Blue

Additives, co-solvents, and binder selection can influence the performance of the SPL-NX Dispersions. The effects of these raw materials should be tested in the final application formula.

Physical Properties	
Product Form	Aqueous Fluorescent Pigment Dispersion
Specific Gravity	1.0 - 1.1
Particle Size Range	0.25 - 0.45 microns
Percent Solids	46 - 50%
pH	7.5 - 8.5
Brookfield Viscosity	50 - 300 cps. @ 25°C, (RVT #1, 20 RPM)

Lightfastness

SPL-NX Dispersions exhibit good lightfastness for indoor applications. However, their exterior lightfastness is limited. The users should conduct their own tests to determine if the use of SPL-NX Dispersions will meet their lightfastness requirements.

Stability

It is recommended that SPL-NX Dispersions be protected from freezing. SPL-NX Dispersions are stable to shear and pH. Temperature during manufacturing should be kept below 60°C.

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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Handling

SPL-NX Dispersions are liquid products, which offer easy incorporation into aqueous systems with minimal mixing. These products are not compatible with non-aqueous formulations.

The SPL-NX Dispersions should be mixed before use to ensure homogeneity. The pH of the SPL-NX should be adjusted to a minimum of 7.5 before use with other ingredients to avoid shocking the ink or coating system.

These products are for industrial use only. Avoid contact with skin and eyes. Do not swallow. Use appropriate respirator if the product forms mists. See the available Material Safety Data Sheet for more information.

Shipping

SPL-NX Dispersions are available in 55-gallon poly-lined fiber drums and 5-gallon plastic pails. Tote tanks are available upon special request.