

Technical Data Sheet

SPL-JX Series Dispersions

General description

DayGlo SPL-JX Series dispersions are high solids, fluorescent pigment dispersions. They offer a bright, finely ground, high strength, fluorescent pigment particle with good lightfastness properties. As they are dispersed in water, they're suitable for use in water-based inks and coatings.

SPL-JX Series dispersions contain approximately 58% fluorescent pigment dispersed in water and a small percentage of alkali soluble acrylic resin. VOC (Volatile Organic Compounds) content < 40 g/l.

They are compatible with a wide range of aqueous systems. Additives, co-solvents, and binder selection can influence the performance of the SPL-JX Series dispersions – the effects of these raw materials should be tested in the final application formula.

Applications

- Water-based flexo Ink
- Water-based gravure Ink
- Waterborne coatings
- Paper coatings

Available Colors

Product Code	Color
SPL-11JX	Aurora Pink
SPL-12JX	Neon Red
SPL-13JX	Rocket Red
SPL-14JX	Fire Orange
SPL-15JX	Blaze Orange
SPL-17JX	Saturn Yellow
SPL-21JX	Corona Magenta

Packaging:

5 Gallon Pails = 40 lb
 55 Gallon Drums = 440 lb

Storage & shelf life:

18 months when kept in closed original packaging in a dry place at ambient temperature (below 60°C)

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties

Delivery form	Aqueous dispersion
Hegman grind	5.0 minimum
Percent solids	57 - 63%
Specific gravity	1.05 - 1.15
pH	8.0 - 8.8
Viscosity	150 - 450 cps. @ 25°C

Processing	
Heat stability	60°C (140°F)
Handling	Good industrial hygiene practices should be observed, and users should avoid contact with skin and eyes. SPL-JX products should be used with good ventilation. See the SDS for more information
Dispersions are soluble and are easily mixed-in. To ensure homogeneity, the pH should be adjusted to a minimum of 8.0 before use with other ingredients	

Lightfastness

There are limitations on lightfastness and weathering properties inherent in certain pigments. We recommend that the lightfastness and weathering properties be tested under customers' performance standards

Usage

Formulations based on SPL-JX Series Dispersions are designed to be thinned with water only. These formulations may tolerate small quantities of alcohols, but levels should be kept below 5%. Testing should be conducted when solvents are used to determine their effects on the final application formulas.

Viscosity can be increased with the use of Joncryl 142 or a similar product. The addition of 5% of Joncryl 142 will increase viscosity approximately 20 seconds/#2 Zahn cup. We recommend that testing be conducted with each thickener to determine their effects on the final application formulas.