

# 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. They're also VOC (Volatile Organic Compounds) free.

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.