

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 lnk
- 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:

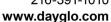
18 months when kept in closed original packaging in a dry place at ambient temperature (below 60°C)

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 |

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.





| 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.