



BRILLIANT

BEAUTIFUL

BLAZING

A TOUCH OF VIBRANCE FOR YOUR BUSINESS

**Eco-friendly, Formaldehyde-free
Fluorescent Dispersions**

FFD Series

Aron Flamingo Fluorescent Dispersions FFD 300 & 400 series offer a fluorescent system that disperses in water as sub-micron spherical particles (<0.8 µm) with superior light fastness. The FFD series products are suitable for various printing processes, including roll printing, automatic screen printing, hand screen printing, padding, and textile printing. The FFD series is eco-friendly, developed using a water-based system. In response to the growing demand for safer, environmentally friendly products across various industries, the FFD series has been designed to contain 50% water and polymer. Also they are free of Volatile Organic Compounds (VOC).

FFD series

*Technical Information

SPECIFIC GRAVITY @25°C	1.0 – 1.2
PARTICLE SIZE (Dv100)	< 0.8 µm
SOLID (0.5 G/150°C/15 min.)	45 – 50
pH	7.0 – 8.5
VISCOSITY BY B4 CUP @25°C	15 – 35 sec
VISCOSITY BY BROOKFIELD LV-DV- 1 PRIME @ 25°C (60 rpm, Spindle No. 61)	15 to 60 cP

*Typical Values
Certificate of Analysis (COA) available on request.

Colour Range

Series Name	Colour Name	Series Name	Colour Name
FFD 300	Lemon Yellow	FFD 400	Yellow
FFD 300	Violet	FFD 400	Green
FFD 300	Vivid Orange	FFD 400	Orange
FFD 300	Rose	FFD 400	Red
FFD 300	Pink	FFD 400	Baby Pink
FFD 300	Deep Magenta	FFD 400	Magenta
		FFD 400	Peacock Blue

Applications

- Textile Printing and Dyeing
- Seed Coating
- Art & Crafts
- Idol Coatings
- Paper Coating
- Water-Based Coatings
- Water-Based Paints and Inks

Regulatory Compliance

- Formaldehyde-free
- Non-toxic (OECD)
- ZDHC Level-3
- OEKO-TEX® ECO PASSPORT
- REACH

FFD 200

The FFD 200 series is a water-based fluorescent dispersion that is eco-friendly and formaldehyde-free. This dispersion is composed of an aqueous dyed acrylic copolymer with fine and uniform spherical particles (< 0.3 microns) and a solid content of 45-50%. FFD 200 offers excellent colour brilliance and light fastness when used in water-based fluorescent inks, such as Marker Ink and Highlighter Ink.

The FFD 200 series provides excellent cap-off stability, smooth ink flow, and effortless writing performance, thanks to its sub-micron particle size.

*Technical Information

SPECIFIC GRAVITY @25°C	1.0 – 1.2
PARTICLE SIZE (Dv100)	< 0.3 µm
SOLID (0.5 g/150°C/15 min.) (%)	45 – 50
pH	7 – 8.5
VISCOSITY BY B4 CUP @25°C	15 – 35 sec
VISCOSITY BY BROOKFIELD LV DV-1 PRIME @25°C (60 rpm, Spindle No.61)	15 – 60 cP

Applications

Marker Ink and Highlighter Ink

Colour Range

Lemon Yellow, Green, Pink & Orange.
Other colours are available based on request



Physical Form: Aqueous Liquid



Handling

The FFD series are water-based liquid products that can be effortlessly integrated into aqueous systems without the need for extensive mixing. The FFD series dispersions are free of coarse particles, as the particle size is smaller and spherical, preventing issues such as clogging in the screen mesh of the plate cylinder and mottling in printing.

Light-Fastness

The FFD series of dispersions provides excellent light fastness, with a rating of Class 4 on the Blue Wool Scale (BWS), allowing fluorescent polymers to create vibrant and durable patterns.

Packaging

1 kg	<input checked="" type="checkbox"/>
10 kg	<input checked="" type="checkbox"/>
30 kg	<input checked="" type="checkbox"/>
50 kg	<input checked="" type="checkbox"/>

*Other packaging will be available based on the requirement.

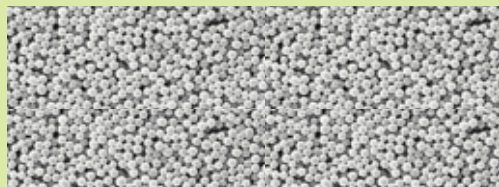
Formaldehyde-Free

The FFD series is made from synthetic fluorescent polymer and is free from formaldehyde, both in its composition and production process.

Resistance to Heat

The FFD series is heat-resistant due to the polymers used in its formulation. This allows fluorescent polymers to cure at higher temperatures compared to conventional fluorescent pigments.

Stability: The FFD series features smaller particle sizes that enhance stability by reducing hard settling. These dispersions are resistant to shear and pH fluctuations, helping to prevent viscosity build-up, improve screen printing coverage, and support better colour penetration in the dyeing process.



Electron microscopy image (Spherical Particles)

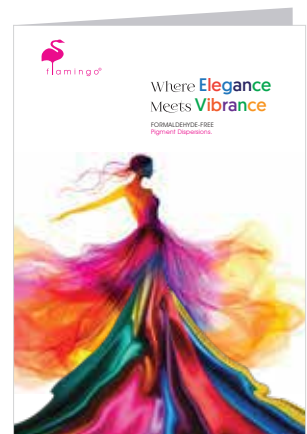
Storage: The FFD series dispersions should be protected from freezing. When stored correctly in sealed containers, the product remains stable for up to 24 months from the manufacturing date.

Light Fastness: Limited in exterior conditions, users are advised to conduct their own tests to ensure that the light fastness meets their specific requirements.

Disclaimer: Technical information, advice, statements, verbal and written suggestions and test results are offered for guidance only and it is believed to be reliable based on our present knowledge. These are not to be construed as a warranty for which we assume no responsibility. It is responsibility of the user to ensure that their employees are aware of the content and also to ensure that any additional regulations are satisfied. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Users are responsible for testing our products and suggestions to ensure that they are suitable for the intended purposes and applications, prior to use.



Our Product Range



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