

Technical Data Sheet

AFN

General Description

- Daylight and ultra-violet responsive fluorescent submicron dispersion - formaldehyde free - for water-based formulations.
- A dyed/pigmented dispersion of an alkali soluble acrylic resin.

Applications

- Water based inks for flexo, gravure and textile.
- Water based paper coatings and paints.

Product Features

- AFN contains approximately 46% fluorescent pigment dispersed in water and a small percentage of alkali soluble acrylic resin.
- High color strength and brightness
- AFN is V.O.C. (Volatile Organic Compounds) free.
- AFN is compatible with a wide range of aqueous systems including, Water Based Flexo and Gravure Inks, waterborne Coatings and Paper Coatings
- AFN exhibits good lightfastness for indoor applications. However, the exterior lightfastness is limited.
- AFN dispersions should be thoroughly mixed before use to ensure homogeneity.
- The temperature during manufacturing should be kept below 60°C and pH adjusted to a minimum of 7.5 before use with other ingredients to prevent shocking

Physical properties	
Delivery form	Liquid, 46-50% solids
Particle size (Laser diffraction)	± 0.25 – 0.45µm
Hegman grind	5.0 – 8.0
pH range	7.5 – 8.5
Specific gravity	1.0 – 1.1 g/ml
Brookfield viscosity	50 – 300 cps @ 25°C

(1) Test methods and Certificate of Analysis (COA) available on request.

Processing

Solvent resistance	Water based product. Additives, co-solvents, and binder selection can influence the performance of AFN series dispersions. The effects of these raw materials should be tested in the final application formula.
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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.

Rev:1.1

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Standard Colors	
Product Name	Description
AFN-30	Chartreuse
AFN-33	Orange
AFN-34	Orange Red
AFN-35	Red
AFN-37	Pink
AFN-38	Magenta
AFN-39	Blue

Packaging:

1 HDPE jerry-can = 20kg

1 drum = 200kg

MOQ = 20kg

Storage & shelf life:

18 months after production date when kept in closed original packaging in a dry place at ambient temperatures. Dispersion should be protected from freezing.

Safety & regulatory:

Safety Data Sheet available on request.