

AFN-3

General information

General description:

- Daylight and ultra-violet responsive fluorescent submicron dispersion - formaldehyde free - for water-based formulations.

Applications:

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

Product features

- AFN-3 contains approximately 46% fluorescent pigment dispersed in water and a small percentage of alkali soluble acrylic resin.
- High color strength and brightness
- AFN-3 is V.O.C. (Volatile Organic Compounds) free.
- AFN-3 is compatible with a wide range of aqueous systems including, Water Based Flexo and Gravure Inks, waterbourne Coatings and Paper Coatings
- AFN-3 exhibits good lightfastness for indoor applications. However, the exterior lightfastness is limited.
- AFN-3 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

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

Technical information⁽¹⁾

Physical properties

Delivery form	Liquid, 46-50% solids
Average particle size	0.25 – 0.45µm
pH range	7.5 - 8.5
Specific gravity	1.0 - 1.1 g/ml
Brookfield viscosity	50.0 – 300 cps @ 25°C

Processing

Solvent resistance	Water based product. Additives, co-solvents, and binder selection can influence the performance of AFN-3 series dispersions. The effects of these raw materials should be tested in the final application formula.
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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.

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

Do you need more technical & commercial information? Please consult **Product Promotion Sheet**.