

Technical Data Sheet

WR

General Description

- A 50% water dispersion of JST pigments.
- Daylight and ultra-violet responsive fluorescent pigment dispersion for water based formulations.
- A dyed/pigmented thermoplastic sulphonamide-melamine-paraformaldehyde resin in dispersion.

Applications

- Aqueous paper coating and water based paints, textile printing inks

Product Features

- WR has a high color strength and is recommended for a variety of coatings due to the good compatibility in water and numerous binder systems.
- WR water dispersions are easy mixable and require no additional grinding for proper dispersion into the binder system.
- Good washing fastnesses on textile applications.
- For aqueous formulations, the use of preservatives is recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of microorganisms in the intended formulation.
- Limited lightfastness in exterior exposure due to the chemical structure of the fluorescent pigments.

Standard Colors

Product Name	Description
WR-10	Chartreuse
WR-11	Green
WR-12	Orange Yellow
WR-13	Orange
WR-14	Orange Red
WR-15	Red
WR-16	Cerise
WR-17	Pink
WR-18	Magenta

Packaging:

1 Pail = 50kg
MOQ = 200kg

Storage & shelf life:

6 months when kept in closed original packaging in a dry place at ambient temperature. Dispersion should be protected from freezing.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties

Delivery form	Liquid
Average particle size	± 3 µm
Hegman grind	5.5 - 6.5
Viscosity	105 – 150g (200RPM Stormer-Krebs)
Solids	50.0 – 51.5 %
Specific gravity	1.1 – 1.2 g/ml

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

Processing

Heat stability	Limited.
Solvent resistance	Recommended use in water, addition of co-solvents should be carefully tested.

WR water dispersions offer good storage stability. However, it is advisable to homogenize the dispersion before use.

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