

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

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.	

WR dispersions are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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