

TECHNICAL DATA SHEET

LWF Series daylight fluorescent pigments

Introduction:

LWF series is based on a unique formaldehyde free pigment technology and aqueous dispersion of fluorescent pigments which have fine sub-micron particle size with narrow distribution, bright, high tinting strength, and can be widely used in aqueous systems.

Features and benefits:

- Free of formaldehyde, AZO dyes, APEOS, heavy metal within limit; EN71-3 compliant
- Excellent workability, free of dust while handling
- Compatible with a wide range of aqueous systems

Applications:

- Water-based inks
- Water-based textile dyeing or printing
- Water based coatings
- Highlighter inks, poster inks

Available Colors:

LWF-11	Pink
LWF-12	Cerise
LWF-13	Red
LWF-14	Red orange
LWF-15	Orange
LWF-16	Orange yellow



LWF-17	Yellow
LWF-18	Green
LWF-19	Blue
LWF-20	Violet
LWF-21	Magenta

Physical & Chemical Properties:

LWF is a bright sub-micron fluorescent pigment particle suspended in water.

Product form: Aqueous dispersion

Average Particle Size: $\leq 0.5\mu\text{m}$

Solid content >40%

PH value 5.0-7.0

Stability:

LWF Series is stable under freeze and thaw, but suggested to be prevented from freezing. LWF Series have good compatibility in aqueous system, but not in non-aqueous system. Additives, co-solvents and binder selection can influence the performance. The effects of the raw materials should be tested in the final applied formulas. LWF should be stirred well before use.

Storage:

LWF dispersions are delivered in plastic drums, net weight 30kgs. If kept cool in closed drums the product shows good storage stability. However, it is recommended that the storage period does not exceed six months. All opened drums should be carefully re-sealed immediately after use.

Toxicity:

LWF dispersions are essentially non-toxic and non-hazardous with zero formaldehyde emission and zero/extremely low heavy-metal content. Safety data sheet (SDS) is available upon request.