



Liquid rheological additives

Better BWF-6420

Product Description:

Better BWF-6420 It is a modified urea liquid rheological agent with 52% active ingredient, used in lotion and water diluted resin systems. It can form a high thixotropic effect and thus improve anti settlement and anti sagging performance. At the same time, it is also suitable for water-based color pastes and can be added later.

Product specifications:

Appearance	yellow liquid
Effective substance content%	52
Active ingredient	Modified urea
Specific gravity (20 °C)	1.12 g/cm ³
solvent	N-methylpyrrolidone

Application scope:

Waterborne coatings, water-based inks, water-based color pastes, etc.

Recommended dosage:

category	Dosage of BWF-6420
Water-based coating	0.3-1.5% (Anti settlement)
	0.3-1.5% (Anti flow hanging)
Water-based ink	0.3-1.5% (Anti settlement)
	0.3-1.5% (Anti flow hanging)
Water-based color paste	0.3-1.5%

Application characteristics and advantages:

After mixing BWF-6420 into the water-based coating system, the additive will establish a three-dimensional network structure. The thixotropic fluidity formed can prevent settlement and improve anti sagging performance without affecting leveling. Liquid additives are easy to use, without the need to control pH or temperature. Has the following characteristics:

- Very suitable for anti settling of water-based pigment fillers and matting pastes;
- Excellent shear thinning performance;

- Suitable for controlling thixotropic flow behavior, which can improve anti sagging and leveling performance;
- Does not reduce the water resistance of the coating;

Adding during the grinding stage can achieve optimal dispersion and effect. No special temperature and pH control is required. It can be added during the paint mixing stage to adjust viscosity. If the dispersion is uneven after addition, compatibility can be increased through co solvents.

Particular attention:

BWF-6420 contains chloride ions. It is recommended to use plastic drums or packaging drums with inner coating to store the finished paint to avoid corrosion; If using metal drums, corrosion testing is required. No negative impact on corrosion was found in the dry film.

Packaging, transportation, and storage:

Package : 25KG、 200KG/barrel.

Transportation: It belongs to the storage of non hazardous materials and can be transported as general chemicals.

Storage: This product should be stored in a dry environment at room temperature, avoiding direct sunlight. Under normal circumstances, the shelf life is one year; During storage, slight turbidity does not affect the rheological effect.

Heavy metal content:

Content	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Zn
ppm	<5	<2.5	<10	<5	<5	<5	<5	<5	<10