Anti-settling rheological agent

RT-3105

Features and advantages:

1, liquid rheological additives, suitable for medium grade and solvent free coating system and normal temperature curing resin system. The additive produces highly thixotropic flow behavior and improves flow hang and settlement resistance. This additive can also be added later.

2. After being added to the coating system under agitation, the additive will produce a three-dimensional network structure, and the thixotropic flow behavior formed is very suitable for preventing settlement and anti-hanging performance without affecting leveling.

Product specifications:

Make up	The utility model relates to a modified polyurea solution
Solvent	N-methylpyrrolidone
Density g/cm³ (23℃)	1.02-1.12
Viscosity CPS (25℃)	300-600
Non-volatile (60min,150℃)	50%

Application:

Industrial coatings

Recommended dosage:

0.2%-1% The dosage of additives is based on the total formulation to prevent settling.

0.5%-2% of the additive dosage is based on the total formulation to prevent flow, but

this depends on the polarity of the formulation and the total solid content. The above data are empirical dosage, and the optimal dosage needs to be determined through a series of tests.

Usage:

the additive should be added to the coating system under medium shear force to ensure uniform mixing and rapid dispersion. Without special temperature control, the additive can be added to the abrasive stage and is suitable for later addition to regulate viscosity. If the additive is suitable for the system, the rheological effect can be significantly increased. Depending on time and polarity, the rheological effect can be evaluated in 2-4 hours after mixing. The additive is recommended for medium polarity systems.

Packing:

25kg inner coated iron drum or 180kg ring plastic.

Matters needing attention:

1. If it is used in conjunction with desiccant, discoloration may occur, possibly due to the formation of metal complexes. The rheological effectiveness in this case should be evaluated.
2. Under standard measurement, it has no negative effect on yellowing. Yellowing and higher dosage of additives should be evaluated in suspected systems. When additives are used in a reactive and catalytic system containing cellulose nitrate, we recommend testing the storage stability of the product