

UNIQ[®] VIS 810S

Polyurea Modified Rheolog Agent



UNIQ[®] VIS 810S Liquid rheology additive for medium-polarity solvent-borne and solvent-free coating systems as well as ambient-curing resin systems. The additive creates highly thixotropic flow behavior and consequently improves the anti-sagging and anti-settling properties.

Special Features

- medium-polarity solvent-borne and solvent-free coating systems
- Improve anti-sagging
- Excellent anti-settling
- Not influence leveling

Application

Epoxy resin system	■
Polyurethane resin system	■
Acrylic resin system	■

highly recommended ■
recommended □

Product Specification

Composition	Solution of a modified urea
Color	MAX.12
Active ingredient	55.0-63.0 %
Density 20°C	1.02-1.12g/cm ³
Solvent	NMP
Appearance	Yellowish liquid

Addition levels

0.2-1%(As Supplied) Base on the amount of total formulation for anti-settling
0.5-2% (As Supplied) Base on the amount of total formulation for anti-settling, Affected by system polarity and solid content
The above recommended levels can be used for orientation and needs to be optimized by testing.

Incorporation and Processing Instructions

The additive should be added to the coating while stirring using moderate shear forces to ensure a homogeneous and quick distribution. It is not necessary to specifically control the temperature. The additive can be added into the millbase and is also suitable for adjusting the viscosity afterwards by incorporating it as a post-additive. If the additive is suitable for the system, its rheological effectiveness builds up, dependent upon time and polarity, and can generally be evaluated 2 to 4 hours after incorporation. The additive is recommended for incorporation into medium-polarity systems.

Packaging

- 25 kg
- 180 kg

Special Note

If used with driers (siccatives), discoloration may occur due to the formation of metal complexes. The rheological effectiveness should then be tested. At standard dosage, no negative effect on yellowing is expected. The impact should be tested in systems that are susceptible to yellowing and at higher dosages. When using the additive in reactive and catalyzed systems and in systems that contain cellulose nitrate, we recommend testing the storage stability

Shelf life

UNIQ[®] VIS 810S Moisture sensitive, should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 2 years from the date of manufacture. The appearance may be slightly turbid during storage, it can be used directly or after heating, this will not affect the product performance.