

UNIQ[®] VIS 810 S

Rheology additive

UNIQ[®] VIS 810 S Liquid rheology additive for medium-polarity solvent-based 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-based and solvent-free coating systems
- Improve anti-sagging
- Excellent anti-settling
- No negative influence on 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

0.5-2% (As Supplied) based on the total formulation amount for anti-settling.
the required dosage is depending on the polarity and solid content of the system

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.

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

Packaging

- 25 kg
- 180 kg

Shelf life

UNIQ[®] VIS 810 S should be stored in a cool dry place. When Kept in an original unopened container, it will keep up 1 year from the date of manufacture. Slight turbidity of the material can occurs during storage, but has no influence on the rheological effectiveness.