

RHEOBYK-H 3300 VF

VOC-free associative thickener (HEUR) for aqueous systems to generate a slightly pseudoplastic flow behavior.

Product data

Composition

Solution of a polyurethane

VOC-free
(< 1500 ppm)

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C): 1.06 g/ml

pH value: 8 ± 1

Active substance: 17.5 %

Solvents: water

Storage and transportation

Mix well before use. Transport and store in a dry place, in an unopened original container, at temperatures between 5 °C and 35 °C.

Applications

Coatings industry

Special features and benefits

RHEOBYK-H 3300 VF increases the viscosity in the low to medium shear range with an extremely low impact in the high shear range. It optimizes storage stability and provides an excellent balance between flow properties and the sagging tendency. The additive is liquid and therefore easy to handle. It is not necessary to specifically adjust the pH value or control the temperature during incorporation. When combined with rheology additives that are effective in the high shear range, such as the RHEOBYK-L/T series, it enables an optimum processability.

Recommended use

RHEOBYK-H 3300 VF is preferably used in emulsion paints and coatings that are based on acrylic, styrene acrylic and vinyl acetate binders as well as in PU and alkyd emulsions, and epoxy dispersions.

Architectural coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended levels

0.3–2 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

Addition under stirring ensures optimum distribution and the best possible effectiveness and reproducibility. RHEOBYK-H 3300 VF is suitable for adding to the millbase as well as to the letdown product, or as a post additive to retroactively adjust the rheological properties.

Adhesives and sealants**Special features and benefits**

RHEOBYK-H 3300 VF increases the viscosity in the low to medium shear range with an extremely low impact in the high shear range. It optimizes storage stability and creates an excellent balance between flowability and sag resistance. The additive is liquid and therefore easy to handle. It is not necessary to specifically adjust the pH value or control the temperature during incorporation. When combined with rheology additives that are effective in the high shear range, such as the RHEOBYK-L/T series, it provides optimum processability.

Recommended use

RHEOBYK-H 3300 VF is preferably used in dispersion adhesives that are based on acrylic, styrene acrylic, and vinyl acetate copolymer binders, carboxylated styrene-butadiene latex as well as in PU and vinyl acetate homopolymers.

Recommended levels

0.3–3 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

Addition while stirring ensures optimum distribution and the best possible effectiveness and reproducibility. RHEOBYK-H 3300 VF can be added directly to the formulation or as a post-additive for the retroactive adjustment of the rheological properties.

Leather finishes and coated fabrics**Special features and benefits**

RHEOBYK-H 3300 VF increases the viscosity in the low to medium shear range with an extremely low impact in the high shear range. It optimizes storage stability and provides an excellent balance between flow properties and sagging tendency. The additive is liquid and therefore easy to handle. It is not necessary to specifically adjust the pH value or control the temperature during incorporation. When combined with rheology additives that are effective in the high shear range, such as the RHEOBYK-L/T series, it enables optimum processability.

Recommended use

RHEOBYK-H 3300 VF is preferably used in emulsion paints and coatings that are based on acrylates, as well as in PUDs.

Leather finishes	
Coated fabrics	

 especially recommended  recommended

Recommended levels

0.3–2 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

Addition while stirring ensures optimum distribution and the best possible effectiveness and reproducibility. RHEOBYK-H 3300 VF is suitable for adding to the millbase as well as to the letdown product, or as a post-additive to retroactively adjust the rheological properties.



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