RHEOBYK-HV 80

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

Product data

Composition
Aqueous polyacrylate dispersion

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/cm³
pH value:	4–7
Active substance:	30 %
Solvents:	water

Storage and transportation
Mix well before use. Transport and store in a dry place, in an unopened and uncontaminated original container made of plastic, fiberglass or stainless steel, at temperatures between 5 °C and 50 °C.

Applications

Coatings industry

Special features and benefits
RHEOBYK-HV 80 increases the viscosity in the medium shear range and is a cost-effective additive for viscosity adjustment in matt, silk-matt and satin-finish systems. The processability, leveling and storage stability are improved. The additive is liquid and therefore easy to handle.

Recommended use
RHEOBYK-HV 80 is preferably used in emulsion paints and coatings that are based on acrylate, styrene acrylate, vinyl acrylate and vinyl acetate binders.

Architectural coatings	■
General industrial coatings	■
Wood and furniture coatings	■

■ especially recommended □ recommended

Recommended levels
0.3–1.8 % 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
Gradual addition whilst stirring, preferably as the last stage after neutralization, ensures an optimum distribution as well as the best effectiveness and reproducibility in applications. RHEOBYK-HV 80 is suitable for adding to the letdown product, or as a post additive to retroactively adjust the rheological properties. RHEOBYK-HV 80 develops the best rheological effectiveness at a pH value of 8 or above.

Home Care and I&I

Special features and benefits
RHEOBYK-HV 80 increases the viscosity in the medium shear range and is a cost-effective additive for viscosity adjustment. RHEOBYK-HV 80 tolerates a high surfactant content and achieves almost Newtonian flow behavior without affecting the clarity and transparency of the liquid detergent.

Recommended use
RHEOBYK-HV 80 is used as a rheology additive for increasing the viscosity of cleaning products and detergents containing aqueous substances.

Thickening/body in liquid detergents	■
Anti-settling in liquid detergents in combination with LAPONITE-RD	■
Anti-settling in high-solid cleaning products in combination with LAPONITE-RD	□

■ bespecially recommended □ recommended

Recommended levels
0.3–3.0 % additive (as supplied) based on 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
Gradually adding whilst stirring, preferably as the last position after neutralization, ensures an optimum distribution as well as the best effectiveness and reproducibility in applications. RHEOBYK-HV 80 is suitable for adding to the letdown product, or as a post-additive for retroactively adjusting the rheological properties. RHEOBYK-HV 80 develops the best rheological effectiveness at a pH value of 8 or above.

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Data sheet
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