

RHEOBYK-7601

VOC-, APEO-, and tin-free associative thickener (HEUR) for aqueous systems, to generate a highly pseudoplastic flow behavior.

Product data

Composition

Solution of a polyurethane

Typical properties

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

Density (20 °C): 1.05 g/ml
Active substance: 15 %
Solvents: Water
Flash point: > 100 °C

Storage and transportation

Mix well before use. Transport and store in a dry place, in an unopened original container, at temperatures between 1 °C and 40 °C.

VOC-free
APEO-free
Tin-free

Applications

Coatings industry

Special features and benefits

RHEOBYK-7601 increases the viscosity in the low shear range and generates a highly pseudoplastic flow behavior. As a result, the sagging tendency and storage stability are significantly improved and good leveling is also achieved. When added to color pastes, the additive preserves the viscosity and increases the compatibility of the color pastes in the system. Due to its composition, RHEOBYK-7601 is very easy to incorporate, and it is not necessary to control the temperature or adjust the pH value. The balanced compatibility of the additive enables use in different coating systems and leads to good results particularly in low-VOC and VOC-free formulations. When combined with rheology additives that are effective in the high shear range, it enables optimal workability properties.

Recommended use

Architectural coatings	<input checked="" type="checkbox"/>
Marine and protective coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>
General industrial coatings	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended levels

0.1–1.5 % additive (as supplied) based upon total formulation, depending on the properties of the formulation to be achieved. In exceptional cases, the dosage can be increased to 2 %.

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 in applications. RHEOBYK-7601 is suitable for incorporating in the millbase, in the letdown product, or for post-addition.



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This issue replaces all previous versions.