

# RHEOBYK-7610

VOC-, APEO- and tin-free associative thickener 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/cm<sup>3</sup>

Active substance: 20 %

Solvents: water

VOC-free (< 1500 ppm)

APEO-free

tin-free

### 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-7610 considerably increases the viscosity in the low shear range while at the same time maintaining very good leveling. The additive is liquid and easy to handle. Storage stability is improved. It is not necessary to adjust the pH value or control the temperature during incorporation. On account of the self-leveling and also high anti-sagging properties, RHEOBYK-7610 is particularly recommended for use in systems for airless-/airmix-/HVLP-applications. When combined with rheology additives which are effective in the high shear range, it enables an optimum processability.

#### Recommended use

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

☒ especially recommended ☐ recommended

**Recommended levels**

0.2–2 % 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**

Addition under stirring ensures optimum distribution and the best possible effectiveness and reproducibility in applications. RHEOBYK-7610 is suitable for adding to the millbase, to the letdown, or as a post-additive to retroactively adjust the rheological properties.

**Adhesives and sealants****Special features and benefits**

RHEOBYK-7610 increases the viscosity in the low shear range while at the same time maintaining very good leveling. The additive is liquid and easy to handle. Due to its self-leveling properties, RHEOBYK-7610 is highly recommended for use in aqueous adhesive systems for spray, nozzle and roller applications. The low tendency towards foam stabilization during application is also a noticeable advantage. When combined with rheology additives which are effective in the high shear range, it enables an optimum processability.

**Recommended levels**

0.2–3 % 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**

Addition under stirring ensures optimum distribution and the best possible effectiveness and reproducibility in applications.



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This issue replaces all previous versions.