

# RHEOBYK-H 7625 VF

VOC-, APEO- and tin-free associative thickener (HEUR) for aqueous systems to generate 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: 20 %  
 Solvents: Water  
 Flash point: > 100 °C

### Storage and Transportation

Mix well before use. Transport and store dry in an unopened original container, at temperatures between 10 °C and 40 °C.

VOC-free (< 1500 ppm)  
 APEO-free  
 Tin-free

## Applications

### Coatings Industry

#### Special Features and Benefits

RHEOBYK-H 7625 VF dramatically increases viscosity in the low shear range. It reduces the sagging tendency and increases storage stability. The additive is liquid and therefore easy to handle. It is not necessary to adjust the pH value or control the temperature during incorporation. Combining with rheology additives that are effective in the same high shear range as the RHEOBYK-L/T series, results in optimum processability.

#### Recommended Use

RHEOBYK-H 7625 VF is preferably used in emulsion paints that are based on acrylate, styrene acrylate, PVA and VAE binders.

Architectural coatings	■
Wood and furniture coatings	■
Protective coatings	■

■ especially recommended    □ recommended

### **Recommended Levels**

0.1-1.5 % additive (as supplied) based upon the 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. Optimal levels are determined through a series of laboratory tests.

### **Incorporation and Processing Instructions**

Addition under stirring ensures optimum distribution and the best possible effectiveness and reproducibility in applications. RHEOBYK-H 7625 VF is suitable for adding to the millbase, to the letdown product, or as a post additive to retroactively adjust the rheological properties.

## **Adhesives & Sealants**

### **Special Features and Benefits**

RHEOBYK-H 7625 VF dramatically increases viscosity in the low shear range. It improves stability and ridge formation and increases storage stability. The additive is liquid and therefore easy to handle. It is not necessary to adjust the pH value or control the temperature during incorporation. Combining with rheology additives that are effective in the same high shear range as the RHEOBYK-L/T series, results in optimum processability.

### **Recommended Use**

RHEOBYK-H 7625 VF is preferably used in adhesives and sealants that are based on acrylate, styrene acrylate, PVA and VAE binders.

### **Recommended Levels**

0.1-1.5 % additive (as supplied) based upon the 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. Optimal levels are determined through a series of laboratory tests.

### **Incorporation and Processing Instructions**

Addition under stirring ensures optimum distribution and the best possible effectiveness and reproducibility in applications. RHEOBYK-H 7625 VF can be added either before or after adding the filler. It is also possible to use as a post additive to retroactively adjust the rheological properties.

## Fabric care

### Special Features and Benefits

RHEOBYK-H 7625 VF significantly increases the viscosity in the low shear range. A targeted viscosity adjustment in liquid (especially cationic) surfactant systems is possible. The additive is suitable for transparent thickening. The additive is liquid and therefore easy to handle. It is not necessary to adjust the pH or control the temperature during incorporation.

### Recommended Use

RHEOBYK-H 7625 VF is also effective in the presence of cationic surfactants and is, therefore, especially suitable for use in softeners.

### Recommended Levels

0.1-1.5 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved.

The most promising results in softener systems are achieved between 0.3 % and 0.7 %. The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

### Incorporation and Processing Instructions

Addition while stirring ensures optimum distribution and the best possible effectiveness and reproducibility in applications. It is also possible to add after preparation ("post-additive"), to adjust the rheological properties afterwards.

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Data Sheet  
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Additive Guide



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