

# OPTIFLO-T 1010

VOC-free associative thickener (HEUR) for aqueous systems to generate Newtonian 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.

Active substance: 22.5 %  
Density (20 °C): 1.04 g/ml  
Solvents: Water  
pH value: 8

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

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### 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

OPTIFLO-T 1010 increases the viscosity in the high-shear range with an extremely low impact in the low-shear range. It improves processability, leveling, and storage stability. It reduces spattering during application. In addition, greater layer thicknesses can be achieved along with an excellent balance between the flow properties and leveling. The additive is liquid and therefore easy to handle and is VOC-, APEO-, and tin-free. It is not necessary to adjust the pH value or control the temperature during incorporation. OPTIFLO-T 1010 has no negative effect on gloss, color acceptance or rub-out.

## Recommended Use

OPTIFLO-T 1010 is preferably used in emulsion paints and coatings that are based on acrylics, styrene acrylics and vinyl acetate copolymer binders as well as PU and alkyd emulsions. It is also well suited for aqueous wood and furniture coatings based on PU, acrylics and UV-curing systems.

|                             |   |
|-----------------------------|---|
| Architectural coatings      |  |
| Wood and furniture coatings |  |
| General industrial coatings |  |

 especially recommended    recommended

## Recommended Levels

1.0-4.0 % 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. 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. OPTIFLO-T 1010 is suitable for adding to the mill-base, to the letdown, or as a post additive to retroactively adjust the rheological properties.



Additive Guide



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