

# OPTIFLO H 370-VF

## VOC-free Associative Thickener

### Product Data

#### Special Features and Benefits

OPTIFLO H 370-VF is a non-ionic, APEO-free and hydrophobe modified polymer designed especially for thickening dispersion paints and aqueous lacquer systems. OPTIFLO H 370-VF is characterized by a slight pseudoplasticity. The thickener is compatible both with various dispersions such as styrene acrylates, pure acrylates, polyvinyl acetates etc. and with alkyd and epoxy emulsions. In emulsions, an antisagging effect is provided in addition to thickening.

OPTIFLO H 370-VF is transparent and colourless. The use of OPTIFLO H 370-VF

- adds no VOC-solvents to the paint
- reduces spatter during application
- provides higher layer thicknesses in one pass
- improves the water resistance against the formation of bubbles
- avoids syneresis
- prevents sedimentation
- gives excellent flow and levelling

#### Typical Properties

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

solids [%]: approx. 37.5 %  
pH-value: 7-9  
solvent: none  
appearance: transparent, colourless liquid

#### Incorporation and Processing Instructions

We recommend the direct incorporation of undiluted OPTIFLO H 370-VF into the paint. If required, OPTIFLO H 370-VF can be diluted with a water/butyldiglycol mixture which leads to a lower processing viscosity. To secure easy pumpability and pourability of OPTIFLO H 370-VF, it is recommended to keep the product temperature above 10 °C during handling.

#### Hints for Application

Depending on the desired rheological properties and the formulation of the paint, 0.2-0.8 % OPTIFLO H 370-VF is added as supplied. For painting systems with very low solids content and/or dispersion content, a higher quantity may be added; formulations for semi-gloss and brilliant paint systems containing a high share of binding agents do generally require only the recommended minimum quantity of OPTIFLO H 370-VF. A combination with cellulose-based thickeners is possible, especially for improving the sag behaviour.

In very few cases, wetting agents used for improving the acceptance of tinting pastes in the system were observed to have an influence on the thickening effect of OPTIFLO H 370-VF. For this reason, these wetting agents should be tested accordingly.

#### Storage and Transportation

24 months. OPTIFLO H370-VF should not be stored at temperatures below 5 °C and above 35 °C

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