

ORGAL HT 465

Acrylic Polymer

1/21

INTRODUCTION

Orgal HT 465 is a hydrophobically modified alkali swellable (HASE) type anionic thickener. It is designed to give a lower cost alternative to cellulosic thickeners. The major area of application is mainly indoor / outdoor matt emulsion paints. However, **Orgal HT 465** may also be used for thickening other latex compounds for textiles, carpet, paper, etc.

In the emulsion paint formulations, **Orgal HT 465** can be used in combination with cellulosic thickeners or alone. It provides paints with excellent roller spattering resistance and resistance to microbe and enzyme attack. Ease of incorporation and the possibility of post addition are other advantages using this product. **Orgal HT 465** has a very pseudoplastic rheology, high in-can structure and good sag resistance.

TYPICAL PROPERTIES

Appearance	White emulsion
Solid Content	30 ± 1%
Colloidal Charge	Anionic
pH	2.1 - 4.1
Density (25°C, g/cm ³) ± 0.01	1.05
Storage Stability	Protect from freezing

APPLICATION PROPERTIES

Viscosity is developed by neutralization to a pH of 7.0 to 10.0. The thickener can be added to the mill-base, to the letdown or as a post addition if the medium is sufficiently alkaline and if sufficient mixing is available. Additional base is used to adjust pH. The prediluted and neutralized form could be added as well. The amount needed in paint formulations must be determined by lab trials, even though it can be stated that the usual practice is to use between 0,4 - 1,0% either alone or in combination with cellulose. In all cases, it is recommended to add **Orgal HT 465** diluted 1:1 with water.

PRODUCT HANDLING – STORAGE – SHELF LIFE

To ensure safe storage of this emulsion, containers should be well sealed to prevent the water evaporation and skin forming. The emulsion must be stored between 5 - 25°C for a maximum of 12 months and freezing must be avoided.

Important Notice: This information is based on our present state of knowledge and is intended to provide general notes on Organik Kimya Products and their uses. It should not therefore be construed as a guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.