

Hydrophobic Modified Alkali-Swellable Emulsion

Technical Data Sheet

Name: Vesmody® A401
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Product Description

Vesmody® A401 is a hydrophobically modified alkali swellable thickener, designed to give medium shear rate viscosity in coatings. It can improve the flow and leveling of the system. It also has good matching in coatings. Use of Vesmody® A401 alone or combination with other thickeners can yield good results. Solvent: water. Biocide: (CMIT/MIT = 3:1) 0.049‰.

Properties

1. Low odor
2. excellent flow and leveling
3. Excellent anti splash
4. Good thermal stability
5. Anti-microbial and enzyme invasion

Characteristic data*

Property	Value	Unit	Method
Appearance	Milky white liquid		
Weight Solids	29-31	%	WHPU/T011-571-2017 (5cm,150°C,20min)
pH	2.0-4.0		GB 6920-1986, 25°C
Viscosity	<500	mPa·s	Brookfield LV, 61#/50rpm, 25°C
Density	1.05	g/cm ³	GB/T 4472-2011, 25°C

*These properties are typical but do not constitute specifications.

Instructions for use

Vesmody® A401 is low viscosity and easy to be added. Before using, you'd best adjust the pH value of system 8-9 and dilute the product with water as 1:4. Depending on the character and amount of the emulsion as well as filler and pigment, the amount of the

Vesmody[®] A401



addition is variable, probably 0.2-3.0% by weight of the formulation in its supplied form. The exact amount required in each formulation should be determined by pre-trials.

Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. After opening the packing, suggested to use up one time.

Disclaimer: Wanhua Chemical Group Co., LTD. recommends that any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.