

MINERAL COLLOID MO

RHEOLOGICAL ADDITIVE FOR WATERBASED PAINTS AND COATINGS

Product Data

Special Features and Benefits

MINERAL COLLOID MO is a high purity, highly thixotropic beneficiated montmorillonite. Because of its thixotropic nature, MINERAL COLLOID MO gives excellent sag control, leveling properties, and syneresis control to water borne paint systems. MINERAL COLLOID MO is easy to disperse and can be used over a wide pH range.

Recommended Use

- Latex Emulsion Paint Systems
- Water Reducible Alkyds
- Water-borne Stains
- Water-borne Inks

Typical Properties

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

Color: Off White
Form: Fine Powder
Odor: None
Moisture: 8.0 % Maximum
pH: 9.5*
Viscosity cps: 2000 **

*2% Solids

**3% Solids (Brookfield, 50 RPM)

Incorporation and Processing Instructions

The order of addition is important for good performance. Add MINERAL COLLOID MO as a predispersed water gel, or hydrate the product in the initial charge of water in the formula. A typical order of addition would be as follows: water, MINERAL COLLOID MO. Mix for 5 minutes. Adjust pH to 8.5 to 9.0. Mix at high speed for 15 minutes. Add remaining ingredients in the formula in their normal order.

Recommended Levels

Typical use level is 0.3-2.0 % of the total weight of the formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

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