



Southern Clay Products, Inc.
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MINERAL COLLOID® MO **RHEOLOGICAL ADDITIVE** **FOR WATERBASED PAINTS AND COATINGS**

General Description:

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.

Typical Properties:

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)

Applications:

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

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

Incorporation:

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.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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