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BS-1C-FF

Rheology Modifier for Low to Intermediate Polarity Systems

GENERAL INFORMATION

BS-1C-FF is an economy organoclay designed for use primarily in low to medium polarity solvent systems. It is a conventional technology type, entailing activation to achieve optimal performance.

ADVANTAGES

- Increases viscosity and imparts thixotropy over a wide temperature range
- Prevents hard settling during storage
- Imparts particle suspension, preventing hard settling

PHYSICAL PROPERTIES

| | |
|--------------------|------------------------------------|
| Composition | Alkyl quat ammonium bentonite |
| Color/Form | Light cream, finely divided powder |
| Density | 1.75 g/cm ³ |
| Moisture | 3.5% max |
| Fineness, 200 mesh | 97% min |

RECOMMENDED USE

- Traffic paints
- Bituminous coatings
- Primers, undercoats
- Printing inks
- Adhesives and sealants
- Anti-corrosion paints
- Container paints

INCORPORATION

BS-1C-FF requires high shear dispersion in the solvent or resin/solvent blend as well as a chemical activator. It is added to the solvent or resin/solvent and dispersed under shear for 10 minutes. Following that a polar activator is added and mixed an additional 10 minutes to ensure complete activation. Cowles-type dissolvers, sand, ball or three roll mills are all suitable.



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CHEMICAL ACTIVATOR

| | |
|---|--|
| Methanol/H ₂ O & Ethanol/H ₂ O (95/5) | 30-60% based on dry weight of BS-1C-FF |
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| Propylene Carbonate or PC/H ₂ O (95/5) | 35-55% based on dry weight of BS-1C-FF |
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|--------------------------|--|
| Acetone/H ₂ O | 40-60% based on dry weight of BS-1C-FF |
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RECOMMENDED LEVELS

BS-1C-FF use level depends on the system but is typically 0.5% - 2.0% (dry) by weight of the system, depending upon the degree of thickening or other properties desired. Laboratory testing is recommended to determine optimal level.

HEALTH AND SAFETY DATA

Before handling this material, read the corresponding Safety Data Sheet (SDS) for safety, health and environmental data.

SHELF LIFE

BS-1C-FF has a shelf life of at least two years from date of manufacture. Store in a cool dry place.

CERTIFICATIONS

ISO 9001 Quality System, ISO 14001 Environmental Management System, ISO 18001 Safety System



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