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BS-1C-7

Rheology Modifier for Low to Intermediate Polarity Systems

GENERAL INFORMATION

BS-1C-7 is an organically modified smectite blend designed for use primarily in low polarity solvent systems. It is a conventional technology type, entailing activation to achieve optimal performance.

ADVANTAGES

- Increases viscosity and imparts thixotropy
- Prevents hard settling during storage
- Improves flow and leveling

PHYSICAL PROPERTIES

Composition	Alkyl quat ammonium bentonite
Color/Form	Light cream, finely divided powder
Density	1.7 g/cm ³
Moisture	3.5% max
Fineness, 200 mesh	97% min

RECOMMENDED USE

- Industrial Paint
- Marine Paint
- Anti-Corrosion Paint
- Floor Paint
- Powder Coating

INCORPORATION

BS-1C-7 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-7
Propylene Carbonate or PC/H ₂ O (95/5)	35-55% based on dry weight of BS-1C-7
Acetone/H ₂ O	40-60% based on dry weight of BS-1C-7

RECOMMENDED LEVELS

BS-1C-7 use level depends on the system but is typically 0.5% - 3.0% (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-7 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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