



ZHEJIANG FENGHONG NEW MATERIAL CO. ,LTD.
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www.zjfenghong.com



BS-1C-0 Rheology Modifier

GENERAL INFORMATION

BS-1C-0 is an organically modified bentonite designed for use in low to medium polarity solvent system.

ADVANTAGES

- ☆ Increases viscosity and imparts thixotropic properties.
- ☆ Prevents hard settling during storage.
- ☆ Exerts strong film reinforce action in organic systems.

PHYSICAL PROPERTES	RECOMMENDED USE
Composition: Organic derivative of bentonite	<ul style="list-style-type: none">• Mixed pains
Color/Form : Light white, free flowing powder	<ul style="list-style-type: none">• Adhesives
Density : 1.80g/cm ³	<ul style="list-style-type: none">• Floor Paints
Moisture : ≤3.5%	<ul style="list-style-type: none">• Putty
Fineness : 98% Min thru 200 mesh	<ul style="list-style-type: none">• Foundry Coatings
	<ul style="list-style-type: none">• Inks

INCORPORATIONS

BS-1C-0 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	30%-50% based on dry weight of BS-1C-0
Ethanol/H ₂ O (95/5)	40%-60% based on dry weight of BS-1C-0
Propylene Carbonate	35%-55% based on dry weight of BS-1C-0
Acetone/H ₂ O	40%-60% based on dry weight of BS-1C-0

RECOMMENDED LEVELS

BS-1C-0 use level depends on organic system but typically between 0.5%-3.0% by weight of the total 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-0 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

MANUFACTURER: ZHEJIANG FENGHONG NEW MATERIAL CO., LTD.

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