



ZHEJIANG HUATE NEW MATERIAL CO., LTD.
[Http://www.zjhuate.com](http://www.zjhuate.com) E-mail: bentonite@zjhuate.com
Tel: +86-571-63806068/63711876 Fax: +86-571-63751569/63806098
Add: Tianzi Lake Modern Industry Park, Anji County, Zhejiang Province, China P.C:313310

Version: Mar. 2020

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www.zjhuate.com



BP-183-B

Rheology Modifier

GENERAL INFORMATION

BP-183-B is an organoclay for solvent-based systems of low, medium and high polarity.

ADVANTAGES

- ☆ High gelling efficiency over low, medium and high polarity organic liquids, especially in 200#solvent oil, coal tar, aromatic compounds.
- ☆ Produce reproducible thixotropic consistency over a wide temperature range.
- ☆ High viscosity and excellent thickening property over a wide temperature range.
- ☆ Imparts particle suspension, preventing hard settling of pigment and fillers.
- ☆ Exerts strong film reinforce action in organic binder systems.

| PHYSICAL PROPERTES | RECOMMENDED USE | |
|---------------------------------|----------------------------|---|
| Appearance: Free flowing powder | • Marine paint | • Zinc-rich paint |
| Color/Form : Light yellow | • Alkyd paint | • Inks(mineral oil) |
| Density : 1.7g/cm ³ | • Anti-Corrosion Paint | • Inks(Nitro) • Chlorinated rubber paint |
| Moisture : ≤3.5% | • None solvent epoxy paint | • Adhesive |
| Fineness :95% Min thru 200 mesh | • Bituminous paint | • Putties and sealant |
| Loss on Ignition:≤35% | • Primer paint | • Lubricating grease |
| | • Road paint | • Oil drilling mud |
| | • Silica paint | • Waster water treatment |



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INCORPORATIONS

BP-183-B belongs to the conventional type of organoclay group, which requires mechanical energy, shear forces applied with a goods dispersion equipment, and a chemical (polar) activator to reach the proper level of delamination of the organoclay platelet stacks.

| Chemical Activator | |
|---------------------------------|---|
| Methanol/H ₂ O | 30%-50% based on dry weight of BP-183-B |
| Ethanol/H ₂ O (95/5) | 40%-60% based on dry weight of BP-183-B |
| Propylene Carbonate | 35%-55% based on dry weight of BP-183-B |
| Acetone/H ₂ O | 40%-60% based on dry weight of BP-183-B |

It is always recommended to determine the proper level of addition by experiment. Either defect or excess of chemical activator would result in poorer viscosity development.

RECOMMENDED LEVELS

The amount of BP-183-B rheology modifier required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.2%-2.0% based on the total formulation weight..

HEALTH AND SAFETY DATA

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

SHELF LIFE

BP-183-B 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 HUATE NEW MATERIAL CO., LTD.

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