



PRODUCT DATASHEET

PRODUCT:

Product Name:	Organic Bentonite 1838
Product Code:	B1838

Product description

Bentonite 1838 is an organoclay for solvent-based systems of low to medium polarity.

Advantages

- High gelling efficiency over low to medium polarity organic liquids.
- High viscosity and excellent thickening property over a wide temperature range.
- Imparts particle suspension, preventing hard settling of pigment and fillers.
- Ideal thixotropy property and anti-sediment property.
- Exerts strong film reinforce action in organic binder systems.

Physical Data

Appearance	Free flowing powder
Density	1.75g/cm ³
Moisture	Max 3.5%
Fineness	98% through 200 mesh

Application

Industrial paint, marine coating, anti corrosion paint, floor paint, powder coating, etc

Incorporation

OC1838 belongs to the conventional type of organoclay group, which requires mechanical energy, shear forces applied with a good 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 OC1838
Ethanol/H ₂ O (95/5)	40%-60% based on dry weight of OC1838
Propylene Carbonate	35%-55% based on dry weight of OC1838
Acetone/H ₂ O	40%-60% based on dry weight of OC1838

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.



PRODUCT DATASHEET

PRODUCT:

Product Name:	Organic Bentonite 1833
Product Code:	B1837

RECOMMENDED LEVELS

The amount of OC1838 rheology modifier required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.5-2.0% by weight of the total system.