



ZHEJIANG FENGHONG NEW MATERIAL CO.,LTD.  
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## HFGE-120-X Rheology Modifier

### GENERAL INFORMATION

HFGE-120-X is an organoclay for solvent-based systems of low to medium polarity.

### ADVANTAGES

- ☆ High gelling efficiency over low to medium polarity organic liquids.
- ☆ Owns certain self-activated property.
- ☆ Consistent in rheology and thixotropy development.
- ☆ Excellent sag resistance and viscosity control.
- ☆ Easy of dispersion.
- ☆ Can be added at any step, even can be used in post-addition to correct the final viscosity of a certain batch.

PHYSICAL PROPERTES	RECOMMENDED USE
Appearance: Free flowing powder	<ul style="list-style-type: none"><li>• Marine paint</li></ul>
Color/Form :Light yellow/Off white	<ul style="list-style-type: none"><li>• Anti-corrosion paint</li></ul>
Density: <1.70	<ul style="list-style-type: none"><li>• Primer paint</li></ul>
Moisture: ≤3.5%	<ul style="list-style-type: none"><li>• Ink</li></ul>
Loss on Ignition(@1000°C ):<40%	<ul style="list-style-type: none"><li>• Sealant</li></ul>
	<ul style="list-style-type: none"><li>• Adhesive</li></ul>

### INCORPORATIONS

HFGE-120-X belongs to the easy dispersible type of organoclays group. HFGE-120-X does not require a chemical (polar) activator to reach the proper level of delamination of the organoclay platelet stacks. For improved performance in low polarity system, a polar activator is recommended

HFGE-120-X can be added at any point in the manufacturing process. If addition is made with polar activator or after grinding, better performance can be expected.

### RECOMMENDED LEVELS

The amount of HFGE-120-X required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.2%-1.0% based on the total formulation weight.



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## **HEALTH AND SAFETY DATA**

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

## **SHELF LIFE**

HFGEL-120-X 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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