



Zhejiang Fenghong New Material Co., Ltd.

Tel +86-571-63806068/63711876

Fax +86-571-63751569/63806098

Tangpu Developing Zone, Anji County,
Zhejiang Province, China. P.C. 313300

bentonite@zjfenghong.com

www.zjfenghong.com

HFGEL 120-A

Rheology Modifier for Solvent Systems of Low to Medium Polarity

GENERAL INFORMATION

HFGEL 120-A is an organophilic clay designed for use in low to medium polarity solvent-based systems. HFGEL 120-A imparts excellent sag resistance, pigment anti-settling and viscosity control.

ADVANTAGES

- Effective thickening across a wide temperature range
- Exerts strong film reinforcement properties in organic binder systems
- Ease of incorporation - can be added as a powder at the pigment grind phase

PHYSICAL PROPERTIES

Composition	Amine-treated bentonite clay
Color/Form	Light white powder
Density	1.7 g/cm ³
Moisture	3.5% Max
Fineness, 200 Mesh	97% Min

RECOMMENDED USE

- Marine paints
- Foundry coatings
- Industrial paints
- Automotive primers
- Anti-corrosive coatings
- Adhesives

INCORPORATION

HFGEL 120-A does not require heat or a chemical activator in higher polarity systems to reach the proper activation. HFGEL 120-A should be dispersed in resin/solvent for at least 30 minutes followed by wetting agents and pigments. For lower polarity systems, use of a chemical activator is required.



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CHEMICAL ACTIVATOR

Methanol/H ₂ O & Ethanol/H ₂ O (95/5)	30-50% based on dry weight of HFGEL 120-A
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Propylene Carbonate	25-35% based on dry weight of HFGEL 120-A
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Acetone/H ₂ O	50-60% based on dry weight of HFGEL 120-A
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RECOMMENDED LEVELS

HFGEL 120-A is typically used at levels of 0.5% - 2.0% 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

HFGEL 120-A 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



OFFICIAL PARTNER OF FENG HONG - USA & Canada

25000 Country Club Blvd. Ste. 444 | North Olmsted, OH 44070 | Tel 800-635-4822 | Fax 440-686-2180 | info@palmerholland.com | www.palmerholland.com

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