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# HFGEL 120-B12

## Rheology Modifier for Medium to High Polarity Solvent-Based Systems

### GENERAL INFORMATION

HFGEL 120-B12 is an organophilic clay designed for use in aromatic and polar systems such as those containing aromatic hydrocarbons, alcohols, ketones, glycol ethers, and esters. It does not require use of a chemical activator to reach optimal efficiency. HFGEL 120-B12 can be incorporated at any point in the manufacturing process using common processing equipment.

HFGEL 120-B12 provides stable rheology and helps control sag and pigment settling.

### ADVANTAGES

- Cost effective replacement for traditional organoclays as well as fumed silica
- Suitable for post-addition in most applications
- Ease of incorporation - can be added as a powder at pigment grind phase

### PHYSICAL PROPERTIES

|                           |                              |
|---------------------------|------------------------------|
| Composition               | Amine-treated bentonite clay |
| Color/Form                | Off-white powder             |
| Density                   | 1.7 g/cm <sup>3</sup>        |
| Moisture                  | 3.5% Max                     |
| Particle Size, Dry Powder | <25µm (D97)                  |

### RECOMMENDED USE

- Anti-corrosion paints
- Marine coatings
- Industrial deco paints
- Automotive finishes/primers
- Zinc-rich coatings
- Caulks and sealants



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## **INCORPORATION**

HFGEL 120-B12 is readily dispersible in the pigment grind under high shear in medium to high polarity solvent systems. It does not require heat or a chemical activator to reach the proper level of activation. HFGEL 120-B12 should be dispersed in resin/solvent for at least 30 minutes followed by wetting agents and pigments with additional dispersion to desired fineness.

## **RECOMMENDED LEVELS**

HFGEL 120-B12 is typically used at levels of 0.5% - 1.5% 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-B12 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



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