

BENTONE® HD

Rheological Additive for Waterborne Systems

GENERAL INFORMATION

BENTONE HD additive is a highly beneficiated, hyperdispersible powdered hectorite clay.

CHEMICAL & PHYSICAL PROPERTIES

| highly beneficiated smectite clay |
|-----------------------------------|
| milky-white, soft |
| powder |
| 2.5 g/cm ³ |
| 20.8 lb/U.S. Gal |
| 94% < 200 mesh minimum |
| |

These are typical properties not to be used for specification purposes.

APPLICATIONS

- **Decorative Latex Paints**
- Inks
- Maintenance coatings

KEY PROPERTIES

- Low dispersion energy for complete activation
- Diminished post thickening
- **Excellent pigment suspension**
- **Excellent sprayability**
- Superior syneresis control
- Good spatter resistance

INCORPORATION

BENTONE HD additive is best used as a pregel. **BENTONE HD** Pregels

A key advantage of **BENTONE HD** is the ability to make relatively high concentration pregels quickly and easily - up to 14% BENTONE HD - and still result in a pourable pregel.

To make a pourable pregel, use this procedure: Add in the order listed: Parts by Wt.

1. Water 86

Turn on HSD and set to

- ~ 1235 linear feet/minute (lf/m)*
- 2. Slowly add BENTONE HD

Disperse at 1,235 lf/m for 5 minutes Store finished pregel in an airtight container

* 1,235 If pm equals a 4.0 cm diameter HSD blade @ 3000 rpm

LEVELS OF USE

Typical addition levels are 0.1-1.0 % **BENTONE HD** additive by weight of total formulation, depending upon the degree of suspension, the rheological properties or viscosity required.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Store in a dry place. BENTONE HD additive will absorb moisture in high humidity conditions.

SHELF LIFE

BENTONE HD has a shelf life of 4 (four) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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