

Rheological Additive for Waterborne Systems

GENERAL INFORMATION

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

PHYSICAL PROPERTIES

Composition	highly beneficiated smectite clay
Color / Form	milky-white, soft powder
Density	2.5 g/cm ³
Particle Size	min 94% thru 200 mesh

APPLICATIONS

- Architectural (Deco) Latex Paints
- Inks
- Maintenance coatings

KEY PROPERTIES

BENTONE DE RHEOLOGICAL ADDITIVE

- high concentration pregels simplify paint manufacture
- pourable, easily handled pregels at up to 14% concentration in water
- low dispersion energy for complete activation
- diminished post thickening
- excellent pigment suspension
- excellent sprayability
- superior syneresis control
- good spatter resistance

INCORPORATION

BENTONE® DE additive is best used as a pregel.

BENTONE DE Pregels

A key advantage of BENTONE® DE is the ability to make relatively high concentration pregels quickly and easily – up to 14% BENTONE® DE – 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 approx.
10-12 m/s on a high speed dispenser
2. **Slowly add BENTONE DE** 14
Store finished pregel in an airtight container

LEVELS OF USE

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

HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS can be found on the company website at www.elementis-specialties.com.

STORAGE RECOMMENDATIONS

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

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SHELF LIFE

BENTONE® DE 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.

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doc August 2015

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