



# DATA SHEET

## BENTONE

BENTONE additive is an organically modified powdered clay additive designed for water-borne systems, primarily latex paints.

### PHYSICAL PROPERTIES

Composition organically modified special smectite clay

Color / Form: creamy white, finely divided soft powder

Density: 1.73 g/cm<sup>3</sup>

### KEY PROPERTIES

BENTONE LT rheological additive

Rheological properties

- highly efficient thickener
- imparts high viscosity
- provides thermo stable aqueous phase viscosity control
- imparts thixotropy

Application performance

- prevents hard settlement of pigments/fillers
- reduces syneresis
- minimizes floating/flooding of pigments
- provides wet edge/open time
- improves water retention of plasters
- improves wash and scrub resistance of paints

System stability

- pH stable (3–11)
- electrolyte stable
- stabilizes latex emulsions
- compatible with
- synthetic resin dispersions
- polar solvents
- non-ionic & anionic wetting agents

Easy to use

- can be incorporated as powder or as an aqueous 3 - 4 wt % (LT solids) pregel.

BENTONE LT additive is easy to process and is stable over a range pH 3–11. No increased temperature is required; however, warming the water to above 35°C will accelerate dispersion and hydration rates.

- Add BENTONE to a vessel containing only water, pH 7.0–8.0. If necessary, adjust pH level. High or low pH during dispersion can lead to inhomogeneous gel formation and reduced efficiency.
- Mix at highest practicable speed for 10 minutes.
- After sufficient hydration time, introduce glycols, defoamers, biocides, dispersants, pH modifiers etc. and mix.
- Add pigments, fillers and active ingredients and disperse.
- Complete dilution.