

# ITOTONE 887A

BENTONITE (INORGANIC GEL) RHEOLOGICAL  
ADDITIVE FOR WATER-BASED SYSTEM



## PROPERTIES

- **Appearance** : Light (Yellow) Off-white, Free-flowing Powder
- **Moisture Content (@105°C, 2 hrs)** : < 12%
- **Granularity (<76µm or 200 mesh)** : > 95%
- **Swell Index (16 hrs)** : > 22ml/g
- **Bulk Density** : 550-650 g/l
- **Heavy Metal (Pb)** : <15 ppm
- **Heavy Metal (Cd)** : <15 ppm
- **Heavy Metal (Cr)** : <15 ppm
- **Heavy Metal (Hg)** : <15 ppb
- **Arsenic (As)** : < 5mg/kg

## APPLICATION

- **Solvent Polarity range** : Water
- **Dispersion Conditions** : High speed dispersion but no polar activation
- **Addition method** : Water based
- **Organoclay addition** : 10% ITOTONE 887A
- **Solvent addition** : 90% Water
- **Activator addition** : None

## CHARACTERISTICS

1. ITOTONE 887A is Li-bentonite which is made from bentonite by purifying and modifying. Good thixotropic property, high dilatibility, good thickening ability.
2. Used in water-based coatings and alcoholic group systems, precision casting, ceramic colour oil coatings, emulsion coatings, blunge water, self-leveling flooring compounds, etc.
3. Similar to Bentone EW/LT, Laporte WH, and Optibent 616.

## DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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## APPENDIX

### Water based addition method

ITOTONE water based Bentonite rheological additives (inorganic gels) neither need to produce a pre-gel nor need an activator, The process used is a dry powder addition directly in emulsion coatings as follows:

1. Water (pH 7 - 12 but preferably 7 - 8)
2. ITOTONE 887 or 887A (high speed dispersing 15-30 minute)
3. Additive (coalescent, dispersant, defoaming agent antiseptic)
4. Pigment
5. Latex
6. Dilute to required viscosity

The dosage requirement of this series is usually 0.2 - 1.0% of the total system or according to your own requirement.

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