

ITOTONE 887

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



PROPERTIES

- **Appearance** : Light White Free-flowing Powder
- **Moisture Content (@105°C, 2 hrs)** : < 10%
- **Granularity (<76µm or 200 mesh)** : > 95%
- **pH (10% suspend liquid)** : 6 - 12
- **Viscosity (8% gel)** : > 7500mPa•S
- **Fineness Dispersion (< 20µm)** : > 95%
- **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** : 6% ITOTONE 887
- **Solvent addition** : 94% Water
- **Activator addition** : None

CHARACTERISTICS

1. Light white with luster, high thickening, strong & fine thixotropy property (thixotropy index 6.0), widely suited PH range, stability for storage.
2. Used in water-based coatings, emulsion paints, slurry, toothpaste, cosmetics.
3. Similar to Bentone EW/LT, Laporte WH, Attagel-50; and Optibent 602.

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.

MAGNACOLOURS[®]
IMAGINATION INK™



MagnaColours' Limited
Upper Cliffe Road,
Dodworth Business Park,
Barnsley, S75 3SP, UK

T: 00 44 (0) 1226 731751
F: 00 44 (0) 1226 731752
E: info@magnacolours.com
www.magnacolours.com

Company registered in
England No. 01378495,
VAT No. GB 997 3172 70



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APPENDIX

Water based addition method

ITOTNE 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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