



## BENTEC ORGANOCLOYS PRIVATE LIMITED

ISO 9001 : 2015 Certified Company

### PRODUCT GUIDE

#### BENTEC PL-C *plus*

- BENTEC PL-C *plus* is a high Viscosity, Economical, modified clay based Rheological additive for water-based system.

| PHYSICAL PROPERTIES |                         |
|---------------------|-------------------------|
| Appearance          | Light gray/buff powder  |
| Moisture            | 5% To 10%               |
| Packing             | 25 kg PP bag with liner |

### USE

- BENTEC PL-C *plus* is a economical efficient thickener and rheological modifier in many water based system.
- It provides viscosity built up, good pigment suspension, excellent sag control and very **good bio stability**. It also avoids water separation on storage It increases the water scrub resistance of the coating film.
- BENTEC PL-C *plus* may be used in Textured coatings, Synthetic plaster (putty), Acrylic & Oil bound Distemper, etc.

### ADVANTAGES

- Excellent Bio-stability compare with CMC.
- Excellent viscosity stability.
- Better water scrub resistance than CMC.
- Prevents water separation on long term storage.
- May require less dosage compare with CMC.
- Partial replacement of HEC



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### Incorporation:

#### 1. IN-SITU:

Add to the water rich phase as early in the manufacturing process as possible. Anionic surfactant can enhance the thickening effect when used with BENTEC PL-C *plus*. Cationic surfactant should be avoided as they deactivate the clay in aqueous media.

#### 2. PREGEL:

Pregel can be prepared by dispersing up to 2% to 3% of BENTEC PL-C *plus* in water under high speed dispersion equipment. Use of Biocide is recommended as a precaution.

#### 3. DOSAGE :

Typical dosage of BENTEC PL-C *plus* is from 0.3% to 1.5% depending upon the type of system and the degree of thickening or other properties desired.

| Dosage of BENTEC PL-C <i>plus</i> |               |
|-----------------------------------|---------------|
| Acrylic Distemper                 | 0.3 % to 0.8% |
| Oil Bound Distemper               | 0.3 % to 0.7% |
| Spray Plaster                     | 0.3 % to 0.7% |
| Textured Coatings                 | 0.3 % to 1.0% |
| Acrylic wall putty                | 0.3 % to 0.8% |
| Interior cement primer            | 0.3 % to 0.6% |
| Exterior cement primer            | 0.3 % to 0.7% |
| Economic emulsion paint           | 0.3 % to 0.8% |



**Cowles Blade**

#### NOTE

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