



BENTEC ORGANOCLOYS PRIVATE LIMITED

ISO 9001 : 2015 Certified Company

RHEOLOGICAL ADDITIVE (PRODUCT GUIDE) BENTEC P-2

Bentonite Based All Purpose Organoclay

PHYSICAL PROPERTIES	
Appearance	Off White Powder
Volatile (Moisture)	2 % to 4 %
Particle Size	95% minimum through 200 B.S.S.
Packing	25 Kgs PP bags with liner

USES OF BENTEC P2:

- BENTEC P-2 provides **good pigment suspension** and **thixotropic flow control** in a range of paints that include chlorinated rubber formulations and most alkyd-based formulations.
- It is also used in rust proofing and other undercoating compounds to provide good thixotropic thickening.

INCORPORATION:

- BENTEC P-2 is best incorporated in the grind phase. The high shear and elevated temperatures (**above 38°C – 43°C**) typically of the pigment grinding process greatly enhances the ease of dispersion of BENTEC P-2 and the predictability of its performance. However, it is not necessary for improved performance of the product.
- Polar activator may not be required, if grind temperature is moderately elevated. Pretesting is advisable. In rust-proofing compounds, a polar activator is also not generally necessary, but can be helpful in attaining suitable thickening quickly. Here, the activator would be as normally used with Organoclays. **Propylene carbonate or Methanol or Butanol is satisfactory, at about 35% weight of the clay.**



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METHOD OF PREPARATION OF GEL USING BENTEC P-2

AROMATIC SYSTEM

- Take Solvent (Xylene) **(87 Parts)** and slowly add at low speed
- Then take BENTEC P-2 **(10 Parts)** and mix it at high speed for **15 Min.**
- Add Polar Activator **(Butanol 95% + 5% Water) or IPA (3 Parts)** and mix it at high speed for **5 Min.**
- Store the Gel in **Air Tight Container** and keep it overnight.

ALIPHATIC SYSTEM

- Take Solvent (M.T.O) **(87 Parts)** and slowly add at low speed
- Then take BENTEC P-2 **(10 Parts)** and mix it at high speed for **15 Min.**
- Add Polar Activator **(Methanol 95% + 5% Water) or Acetone (3 Parts)** and mix it at high speed for **5 Min.**
- Store the Gel in air tight container overnight.



**Cowles Blade
(Used For Mixing)**

NOTE:

To the best of our knowledge and belief, the above information is accurate. Because the conditions of handling and of use are beyond our control, we cannot guarantee results, and assume no liability for damages incurred in using our product. The above is not to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.