



**BENTEC ORGANOCCLAYS PVT. LTD.**

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## **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 350 B.S.S.
Bulk Density	About 35 lbs/cubic ft.
Packing	25 Kgs HDPE bags with liner

#### **USE :**

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.

BENTEC P-2 also is used in rust proofing and other undercoating compounds to provide good thixotropic thickening.

BENTEC P-2 does not generally require a polar activator especially if the solvent system contains more than one class of solvent. Classes include aromatics, aliphatics, naphthenics, Ketones (e.g. acetone), paraffins, etc.

#### **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 enhance 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.

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.

P.T.O.

## **METHOD OF PREPARATION OF GEL USING BENTEC P-2**

### **FOR AROMATIC SYSTEM**

Solvent (Xylene)	-	87 Parts
slowly add at low speed		
BENTEC P-2	-	10 Parts
Mix at high speed for 15 Min. Add		
Polar Activator (Butanol 95% + 5% Water)	-	3 Parts

Mix at high speed for 5 Min.  
Store the Gel in air tight container overnight.

### **FOR ALIPHATIC SYSTEM**

Solvent (M.T.O)	-	87 Parts
slowly add at low speed		
BENTEC P-2	-	10 Parts
Mix at high speed for 15 Min. Add		
Polar Activator (Methanol 95% + 5% Water)	-	3 Parts

Mix at high speed for 5 Min.  
Store the Gel in air tight container overnight.