



BENTEC ORGANOCLOYS PRIVATE LIMITED

ISO 9001 : 2015 Certified Company

PRODUCT GUIDE

BENTEC PC-1

Paint And Coatings Application

General Properties	
Appearance	Off White Powder
Volatiles (Moisture)	2 to 4 %
Particle Size	90% minimum through 200 B.S.S. mesh
Ultimately Dispersed	Less than 1 micron, largest dimension
Packing	25 Kgs PP bags with liner

Advantages and Usage

- BENTEC PC-1 provides **thixotropy and pigment suspension** in organic systems which contains **aliphatic solvents and aliphatic/aromatic solvent mixes**.
- PC-1 finds use in oil-based paints and varnishes, epoxy systems, alkyd enamels and primers.

PC-1 requires polar activator.

- Prepare gel as per procedure given and use this gel in your system. We suggest adding no more than either **10% (based on clay weight) propylene carbonate or 20-30% Methanol or Acetone**. Larger amount will have a negative effect on performance. Combining water with either of the alcohols will give an even better performance.
- BENTEC PC-1 is designed to provide suitable rheology in finished systems. It may not always gel in individual solvents. Activators, **if necessary, should be added after introduction of the resin**.



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METHOD OF PREPARATION OF GEL USING BENTEC ORGANOCLOYS

- Take Solvent (**Mineral Turpentine**) **87 Parts** then slowly add at **low speed**
- Add BENTEC PC-1 **10 Parts** and mix it at high speed for 15 Min.
- Add Polar Activator (**Methanol 95% + 5% Water**) **3 Parts** and mix it at **high speed** for **5 Min.**
- Store the Gel in air tight container overnight.

OR

- Take Solvent (Mineral Turpentine) **85 Parts** then slowly add at low speed
- Add BENTEC PC-1 **10 Parts** and mix it at high speed for **15 Min.**
- Add Polar Activator (Acetone) **5 Parts** and mix it at high speed for **5 Min.**
- Store the Gel in air tight container overnight



Cowles Blade

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.