



## TIP FRP COLOURED PIGMENT PASTE

TIP manufactures Concentrated Pigment pastes for colouring of Fiber reinforced Plastics(FRP/GRP) based on polyesters, & epoxy resins.

The pastes are easily dispersible in unsaturated polyester & epoxy resins

TIP manufactures a wide range of easily dispersible pigment pastes for FRP Moulding/Linning/SMC/DMC/Handlay mouldings.

### Properties of TIP Pigment Pastes:

1. Easily dispersible in Polyester, Epoxy, Polyurethane Resins.
2. Wide range of colour shades as per the demands of the decorative or industrial application requirements Viz:
  - Ceramic sanitary ware manufacturers
  - Amusement park rides, water Slides, Kiddies playground equipments
  - Chemical linings of industrial effluents plants,tanks etc
  - Interior & Garden Furnitures
  - Translucent colours for Roffing applications
  - FRP sleeveings for Electrical insulation requirements
  - Lamination grades for coatings on wood & other items
  - Matchings available as per ISI, DIN,ASTM,BSS shade cards
3. The TIP range of Colour pastes are based upon the dry Inorganic & organic carefully selected for the following properties;
  - Lightfastness , outdoor durability
  - Heat Stability , chemical stability, ease of dispersion
  - Excellent Gloss retention over a period of time
  - Conductive & non conductive grades for the diverse electrical application
  - Storage stability
  - Colour strength
  - Curing mechanism of the kind of resin & the moulding procedure adopted
4. DIRECTION FOR USE:
  - Mixing Method  
TIP Colour paste contains a highly dispersed Pigment which can easily be redispersed in Polyester Gelcoat/Resin with the help of a slow mechanical stirrer or by hand for small quantities.  
For low viscosity resins ,care should be taken during the dispersion of the paste in the resin so as to avoid any shade variations due to improper mixing.

### 5. MECHANICAL & CHEMICAL PROPERTIES:

We select the Pigments ,Resins , Additives to obtain the maximum :

- Ease of dispersion & compatibility
- No adverse effect on Gel Time
- Resistance to UV light, chlorine water, Soap ,alkalis, acids, temperatures etc
- As per the specific handling & storage conditions of the moulded product

### 6. ELECTRICAL INSULATION :

TIP also offers pigments for Non conductive moulding applications .

### 7.COMPATIBILITY:

TIP offers Pigment pastes suitable for various grades of Polyester resin mouldings Viz: General Purpose(GP), Isothalic Resins, O-phthalic, Bisphenol grade, FR & also Pigments

suitable for mouldings based on Epoxy & Polyurethane for SMC/DMC/Flooring grade Epoxy resins . Intermixing of TIP pigments is possible

We also offer Special grades of pigments for Fire Retardant (FR) grade of resins.

**8. IN HOUSE LAB-TESTING:**

We test the Pigments for the following properties before it is dispatched to the clients:

- Shade/Colour matching
- Ease of dispersion or mixing with the suitable resin or the gelcoat
- Uniformity of colour of the present batch with reference to the previous batch supplied to the client
- Opacity,Hiding power,Tinting strength
- Translucency for the pigments meant for tranluscent effects mouldings

Our Pigments are used in India by the flowing industries:

- 1.Sanitary applications :Bathtubs,Mirror frames, Dice stools,Flush doors etc
- 2.FRP Moulded Furnitures: Light weight sofa sets,Trolleys,Garden tables ,Swings etc
- 3.Construction industry: Chemical Storage tanks lining,Storage water tanks (Food grade) FDA Approved pigments,Columns & beams reinforcements, FRP pultruded rebars , I- Beams,channels, Off shore drilling platforms with pigments having special Anticorrosive properties
4. Automobiles: front & rear bumpers, dash Boards, Mirror frames,Car body tops, Auto-Rikshaws hood etc
- 5.Industrial applications: Cooling towers, Electrical Bus bar supports,dowels,etc

We are in a position to supply you Pigments with ISI, DIN ,BSS,ASTM standards.

**TECHNICAL PARAMETERS:**

<b>ITEM:</b>	<b>Pigment Paste Concentrate</b>
<b>APPERANCE:</b>	<b>Thick highly viscose paste</b>
<b>Solids %</b>	<b>NVM 100%</b>
<b>Specific Gravity</b>	<b>1.51 to 2.85</b>
<b>Shelf Life minimum 1 year if stored properly in Closed container away from direct Sunlight</b>	
<b>Water Misibility</b>	<b>Insoluble</b>
<b>Dosage</b>	<b>2 % to 18 % max on resin**</b>

**Applications: Mainly used as colourant in manufacture of mouldings of FRP,GRP,PMMA,MMA,Epoxy Castings,Floorings etc**

\*\* Depending upon the application area & weatherability requirements

**Disclaimer**

The information contained herein is believed to be accurate and is offered in good faith for the guidance of the consumer. We cannot accept any responsibility for errors in, or misinterpretation of the information contained in this brochure. In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change The specifications without prior notice

**For Details Contact :**

TEJ INNOVATIVE PRODUCTS A-17 ,PATEL ESTATE,KAMAN BHIWANDI ROAD,NEAR FLORA HOTEL,TAL VASAI DIST PALGHAR -401208 INDIA  
Tel. : Cell:0091-9821170321/7977169080  
Email: [tejas60@gmail.com](mailto:tejas60@gmail.com) / [tejinnovativeproducts@gmail.com](mailto:tejinnovativeproducts@gmail.com)