

# Pigment Paste

Concentrated pigment dispersions

## Product Description

High quality pigment pastes for paints, inks, and coatings applications.

## Certificate of Analysis

HSN Code: 3215.19                      CAS Number: Varies by pigment                      Classification: Non-Hazardous

| Parameter                  | Specification                | Test Method                 |
|----------------------------|------------------------------|-----------------------------|
| Color Strength             | ± 5% of standard             | Visual Comparison / Spectro |
| Shade / Hue                | Matches standard             | Visual / Spectrophotometer  |
| Viscosity (at 25°C)        | 1000 – 5000 cP               | Brookfield Viscometer       |
| pH (5% aqueous dispersion) | 6.0 – 8.5                    | pH meter                    |
| Solid Content              | 30 – 65%                     | Gravimetric (105 °C)        |
| Dispersion                 | Smooth, free from grittiness | Visual / Grind Gauge        |
| Specific Gravity           | 1.1 – 1.6                    | Pycnometer                  |
| Heat Stability             | Up to 180 – 220°C            | Heat Chamber Test           |
| Light Fastness             | 5 – 8 (Blue Wool Scale)      | Accelerated Weathering Test |

## Physical Properties

Appearance: Homogeneous, viscous colored paste

Odor: Mild to none

Molecular Formula: Varies by composition

Molecular Weight: Varies by composition

Solubility: Insoluble in water; forms stable aqueous or solvent dispersion

Density: 1.1 – 1.6 g/cm<sup>3</sup>

Packing: 25 kg / 50 kg HDPE drums or cans, 1000 kg IBC tanks

Storage: Store in tightly closed container in cool, dry, well-ventilated area away from direct sunlight

## Safety & Handling

PPE: Gloves, eye protection

Hazards:

- Generally non-hazardous under normal handling