
Pigment Orange 13 Paste



[Pigment Orange 13 Paste](#) is a disazo organic [pigment paste](#) characterized by high color saturation and outstanding opacity. The powder is easy to disperse, quickly wetting out in most non-polar and weakly polar systems, while ensuring consistent color shade across batches.

With well-balanced overall fastness, this pigment is not designed for extreme transparency. Instead, it focuses on delivering opaque, heavy-ink (or thick-film) effects. It is a highly cost-effective orange pigment widely used in the coatings, plastics, and ink industries.

Pigment Orange 13 Paste Product parameters:

CAS No.: 3520-72-7

C.I. No.: 21110

Molecular Formula: C₁₆H₈ClN₂O₂

Average Particle Size: 0.4–0.8 μm

Light Fastness: Grade 7-8 (Scale 1–8)

Heat Resistance: ≥240 °C

Water-soluble Matter: ≤1.0%

Oil Absorption: 44–54 g/100g

Tinting Strength: 93%–107% (compared to standard sample)



Pigment Orange 13 Paste Application:

Masterbatch & Rubber/Plastic Coloration

Ideal for PE, PP, PVC, and rubber products, this pigment is suitable for both injection molding and calendaring processes. It is widely used in the production of plastic toys, daily plastic components, and rubber sealing strips. Delivering strong opaque orange performance and stable processing temperatures, it is perfect for general-purpose plastic products that do not require extreme outdoor weather resistance.

Solvent-Based & Water-Based Industrial Coatings

Well-suited for industrial protective paints, architectural tinting paints, and road marking primers. It offers excellent opacity even in thick-film applications and is ideal for formulating warning orange. With highly controllable costs, it adapts perfectly to large-scale production. For applications involving prolonged outdoor UV exposure, it is recommended to pair it with weather-resistant additives.

Various Printing Ink Systems

Excellent for offset, solvent-based gravure, and packaging surface printing inks. It is widely used for food packaging, paper bags, and color box graphics. The pigment ensures a full, thick ink layer with minimal floating, making it highly suitable for large-area opaque orange pattern printing.

Educational & Art Pigments

Perfect for art paints, hand-painting color pastes, and educational color pastes. Its bright red-orange hue allows for the formulation of a wide range of warm tones. Offering high cost-performance, it is an excellent choice for civilian cultural and creative products.

As largest manufacturer of rhodamine b dye, our color include yellow, red, blue, green, orange and red. Welcome send us inquiry.



Yeah ! Add Some Color To Your Life ! XCWY Dyes Welcome your contact !

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Product link : <https://www.xcwydyes.com/pigment-orange-13-paste.html>