
Pigment Blue 15 Paste



[Pigment Blue 15 Paste](#) is an β -crystal form copper phthalocyanine organic [pigment paste](#), commonly known as Phthalocyanine Blue B. It presents a bright reddish-blue shade with high tinting strength and excellent gloss.

Please note that this crystal form is an unstable β -crystal. Prolonged exposure to aromatic solvents can cause a crystal phase transition, shifting the color shade towards greenish-blue. Therefore, it is more suitable for inks and low-temperature coating systems, and is not recommended for applications involving strong solvents or long-term high-temperature conditions.

Offering a highly cost-effective performance, it is one of the most widely used fundamental blue pigments on the market.

Pigment Blue 15 Paste Product parameters:

CAS No.: 147-14-8

C.I. No.: 74160

Molecular Formula: $C_{49}H_{35}CuN_5$

Average Particle Size: 0.08–0.2 μm

Light Fastness: Grade 7-8 (Scale 1–8)

Heat Resistance: 180–200 $^{\circ}\text{C}$

Water-soluble Matter: $\leq 1.0\%$

Oil Absorption: 35–45 g/100g

Tinting Strength: 100 ± 3 % (compared to standard sample)



Pigment Blue 15 Paste Application:

Offset Packaging Printing Inks

This is the most core application scenario. It is widely used in offset and metal surface printing inks, delivering a full-gloss ink film and a pure reddish-blue tone. It is ideal for color box, label, and trademark printing. However, prolonged immersion in large amounts of aromatic solvents must be avoided to prevent crystal phase transition and subsequent color change.

Interior Water-Based Coatings & Art Color Pastes

Perfect for interior wall paints, artistic coatings, and educational color pastes, specifically for formulating bright blue and lake blue shades. It exhibits excellent acid and alkali resistance but is strictly limited to indoor environments and is not suitable for exterior wall formulations.

Low-Temperature Rubber & Plastic Coloration

Ideal for coloring rubber, PU foam, and low-temperature calendared PVC products. It features low migration properties and delivers rich, saturated coloration. Please note that it is not suitable for continuous injection molding processes above 200°C, as high temperatures can trigger crystal alteration and cause the color shade to shift.

Paper & Cultural/Creative Product Coloration

Excellent for coloring art paper and handmade paper pulps. The color paste disperses smoothly and yields vibrant colors, making it highly suitable for indoor cultural and creative paper 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 !

Contact person: Miss Jessie Geng

Email: jessie@xcwychem.com

Mobilephone/Whatsapp: +86-13503270825

Product link : <https://www.xcwydyes.com/pigment-blue-15-paste.html>