
Pigment Red 81:3 Paste



[Pigment Red 81:3 Paste](#) is an organic [pigment paste](#) belonging to the basic dye lake category. It features high color saturation, strong tinting strength, and excellent transparency. While it demonstrates good solvent resistance, its lightfastness and weather resistance are only moderate. Therefore, it is ideal for indoor coloring systems but strictly prohibited for use in food-contact applications or products intended for prolonged outdoor exposure.

Pigment Red 81:3 Paste Product parameters:

CAS No. 68310-07-6

C.I. No.: 42510:3

Molecular Formula: C₂₀H₁₂N₂HSO₃

Average Particle Size: 0.2–0.6 μm

Light Fastness: Grade 3-4 (Scale 1–8)

Heat Resistance: 140–150°C

Water-soluble Matter: ≤ 2.0%

Oil Absorption: 50–75 g/100g

Tinting Strength: 95%–105% (compared to standard sample)



Pigment Red 81:3 Paste Application:

Flexographic and Gravure Packaging Printing Inks

Featuring a highly transparent rose tone, this pigment offers excellent dispersibility in both solvent-based and water-based surface printing inks. It is widely used in gift packaging, secondary colors for cigarette packs, and trademark/label printing. When compounded with violet tones, it can produce vibrant peach-pink and magenta hues, enhancing the visual impact of printed patterns. Please note that it is not suitable for outdoor printing applications.

Coloring for Stationery and Cultural/Creative Products

Ideal for use in watercolor pastes, ink pads, crayons, and colored inks. It delivers bright, translucent colors and smooth application, perfectly meeting the tinting requirements for standard indoor stationery and cultural/creative products.

Art and Decorative Coating Systems

Suitable for interior art paints and water-based decorative color pastes, making it great for coloring artistic wall finishes and handmade crafts. However, due to its limited weather resistance, it must not be applied in exterior wall coatings.

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



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Product link : <https://www.xcwydyes.com/pigment-red-813-paste.html>