Pigment Orange 5 Paste



Manufactured with C.I. No.12075 pigment powder, Pigment Orange 5 Paste is a top-grade water-based pre-dispersed pigment paste provided by Cangzhou Xincheng Weiye Chemical Co., Ltd.

Pigment Orange 5 Paste is a classic, high-quality monoazo organic orange pigment paste, corresponding to C.I. No. 12075. It serves as a core coloring raw material for highly vibrant and transparent orange systems on the market.

Manufactured from high-purity pigment powder through wet ultra-fine grinding and precise dispersion processes, the paste is exceptionally fine, uniform, and free of particulate impurities. It boasts a bright and transparent hue, pure tinting, and excellent transparency. With outstanding system compatibility, it is primarily designed for water-based systems and is widely used in inks, coatings, textile printing, and handicraft coloring, making it a highly cost-effective, versatile orange colorant.

Pigment Orange 5 Paste Product parameters:

» Average Particle Size: ?0.18?m

» Tinting Strength: 95%–105% (vs. standard sample)

» Moisture Content: ?3.0%

» Water-soluble Matter: ?2.0%

» Oil Absorption: 32–52g/100g

» Light Fastness (Full shade): 5–6 (1–8 scale)

» Light Fastness (Reduced / Tint): 4–5 (1–8 scale)

» Water Resistance: 4–5 (1–5 scale)

» Acid & Alkali Resistance: 4 (1–5 scale)

» Applicable Systems: Fully water-based systems; compatible with conventional weak solvent coloring systems.

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Pigment Orange 5 Paste Application:

» Inks: Widely used in water-based flexographic inks, water-based gravure inks, paper packaging inks, and label printing inks. The printed products feature bright and transparent colors with clear, fine halftone dots. It offers good rub resistance and excellent color retention, making it highly compatible with various paper and film packaging printing processes.

» Coatings: Suitable for water-based wood coatings, architectural art paints, water-based decorative paints, toy paints, and general water-based industrial coatings. It is ideal for coating furniture finishes, interior building materials, and handicrafts. The resulting films boast excellent gloss, bright and natural colors, and outstanding decorative effects.

» Textile Printing: Compatible with water-based pigment printing pastes, it is used for printing on apparel, home textiles, fabrics, and footwear. It ensures uniform coloration and meets standard color fastness requirements, while leaving the finished products with a soft hand feel without compromising the fabric's breathability and texture.

» Other Fine Coloring Applications: Can be used in latex products, stationery pigments, handicraft coloring, and water-based paste tinting for both consumer and industrial fine coloring scenarios. It serves as a core raw material for basic and special-effect color matching in the orange color spectrum.

Product Name	Full Shade	Tinting Color	C.I.No	Pigment Content%	Solid Content%	PH Value	Viscosity S(T4)	Acid Resistance	Alkali Resistance	Light Resistance
Yellow CA212			P.Y.12	40	45–50	7–9	15–60	5	5	4
Yellow CA214			P.Y.14	40	45–50	7–9	15–60	4	5	6
Yellow CA283			P.Y.83	40	46–50	7–9	15–60	5	5	6
Orange CA405			P.O.5	35	40–45	7–9	15–60	5	4	5
Orange CA413			P.O.13	35	40–45	7–9	15–60	5	4	5
Red CA327			P.R.170	30	35–40	7–9	15–60	5	5	7
Red CA322			P.R.122	30	35–40	7–9	15–60	5	5	7
Red CA384			P.R.184	35	40–45	7–9	15–60	5	5	5
Red CA422			P.R.22	40	45–50	7–9	15–60	4	2	5
Red CA453			P.R.53:1	35	40–45	7–9	15–60	3	4	4
Red CA457			P.R.57:1	35	40–45	7–9	15–60	4	4	5
Red CA481			P.R.48:1	35	40–45	7–9	15–60	4	4	4
Red CA482			P.R.48:2	35	40–45	7–9	15–60	4	4	4
Red CA483			P.R.48:3	35	40–45	7–9	15–60	5	4	3
Red CA488			P.R.81:3	30	35–40	7–9	15–60	4	3	4
Red CA491			P.R.49:1	35	40–45	7–9	15–60	4	5	4
Red CA492			P.R.49:2	35	40–45	7–9	15–60	4	5	4
Purple CA503			P.V.3	30	35–40	7–9	15–60	5	4	4
Purple CA523			P.V.23	40	45–50	7–9	15–60	5	5	7
Purple CA527			P.V.27	38	43–48	7–9	15–60	5	4	4
Blue CA650			P.B.15	40	45–50	7–9	15–60	5	5	7
Blue CA653			P.B.15:3	45	50–55	7–9	15–60	5	5	7
Green CA870			P.G.7	40	45–50	7–9	15–60	5	5	7
Black CA050			P.BK.7	30	35–40	7–9	15–60	5	5	8
Black CA055			P.BK.7	35	42–45	7–9	15–60	5	5	8
White CA100			P.W.6	60	65–68	7–9	15–60	5	5	8

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-orange-5-paste.html