
Pigment Black 11 Paste



[Pigment Black 11 Paste](#) is an iron-based inorganic iron oxide black [pigment paste](#). As an inorganic metal oxide, it is completely insoluble in water and organic solvents. It boasts excellent chemical stability, strong resistance to acids and alkalis, and outstanding heat resistance.

Its main drawback is limited tinting strength; achieving a high degree of blackness requires a relatively high dosage. However, it avoids the common issues associated with carbon black, such as difficult dispersion and floating/flooding. Therefore, it is highly suitable for coating systems that prioritize long-term outdoor durability.

Pigment Black 11 Paste Product parameters:

C.I. No.: 77499

Molecular Formula: Fe_2O_3

Average Particle Size: 0.20–0.40 μm

Light Fastness: Grade 8 (Scale 1–8)

Heat Resistance: $\geq 280^\circ\text{C}$

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

Oil Absorption: 22–32 g/100g

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



Pigment Black 11 Paste Application:

Outdoor Weather-Resistant Water-Based Coatings

Ideal for exterior wall paints, water-based road marking paints, and outdoor metal anti-rust topcoats. It maintains excellent color stability under long-term sun and rain exposure. When formulating gray and black shades, it is highly preferred over carbon black to avoid the common issue of outdoor aging and graying.

Architectural and Cement Coloring

Perfect for coloring cement slurries, putties, mortars, and concrete products. It exhibits

excellent compatibility with alkaline cement substrates and its color shade will not be compromised by strong alkalis. It is widely used for color matching in various cement components.

Water-Based Finishing for Synthetic Leather

Suitable for synthetic leather fabrics intended for outdoor use. Its iron-black tone is soft and mild, and unlike carbon black, it will not cause nozzle clogging, making it highly suitable for large-scale spray coating processes.

Crafts and Educational Pigments

Ideal for water-based hand-painting pigments, as well as coloring plaster and stone. The black tone is warm and mellow, lacking the cold and harsh feel of carbon black. It is perfect for creating antique and matte dark effects.

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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Contact person: Miss Jessie Geng

Email: jessie@xcwychem.com

Mobilephone/Whatsapp: +86-13503270825

Product link : <https://www.xcwydyes.com/pigment-black-11-paste.html>