



POWDER COATING

by Pioneer Coats



Coating Excellence, Delivering Trust

www.pioneercoats.com



PIONEER COATS



About Us.



Introduction

Pioneer Coats, a trusted name in PVDF Coating, Powder Coating, Anodizing & Wood Finishing brings world-class architectural coating solutions to India. Since its inception in year, Pioneer Coats has been a key player in the coating application industry. All coatings are applied at our state-of-the-art, ISO 9001:2015-certified facilities, meeting the highest international standards of quality and performance.

WHAT WE OFFER

PIONEER COATS stands at the forefront of surface finishing solutions, proudly recognized as a trusted name in Anodizing, Powder coating, PVDF Coating and Wood finish coating. With a commitment to innovation, quality, and customer satisfaction, we bring precision and perfection to every project we undertake.

We specialize in enhancing the durability, aesthetic appeal, and performance of metal surfaces across a wide range of applications. Our team combines years of expertise with state-of-the-art technology to deliver finishing services that meet the highest industry standards. Our services cater to architectural, industrial, and decorative needs and confidence in every coat.

We don't just coat—we give surfaces a glow-up!

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Vision, Mission & Core Values



VISION

Driven by a bold vision and uncompromising precision, we are committed to setting new standards in surface finishing. Our goal is to deliver enduring excellence that not only protects but elevates the performance and appearance of every component we treat.

MISSION

Committed to coating innovation, we specialize in delivering advanced finishes that go beyond surface appeal. Our coatings are engineered to perform under pressure, protect against the elements, and inspire lasting confidence in every application.



CORE VALUES

Committed to coating innovation, we specialize in delivering advanced finishes that go beyond surface appeal. Our coatings are engineered to perform under pressure, protect against the elements, and inspire lasting confidence in every application.

Why Choose us?

At Pioneer Coats, we don't just apply coatings — we transform surfaces with craftsmanship, care, and cutting-edge technology.

Customer-First Philosophy

We listen, collaborate, and deliver with your satisfaction in mind. From concept to completion, our service is transparent and responsive.



Innovation-Driven Approach

We embrace continuous innovation to stay ahead of industry trends, offering modern coating solutions that elevate both function and form.



Unmatched Expertise

With years of hands-on experience and industry knowledge, our skilled team ensures flawless execution across every project—from delicate architectural finishes to industrial-grade protections.





Quality Commitment

Each finish we apply is tested for durability, appearance, performance, ensuring long-lasting protection and enhanced lifespan, we use advanced techniques to maintain consistency.

State-of-the-Art Technology

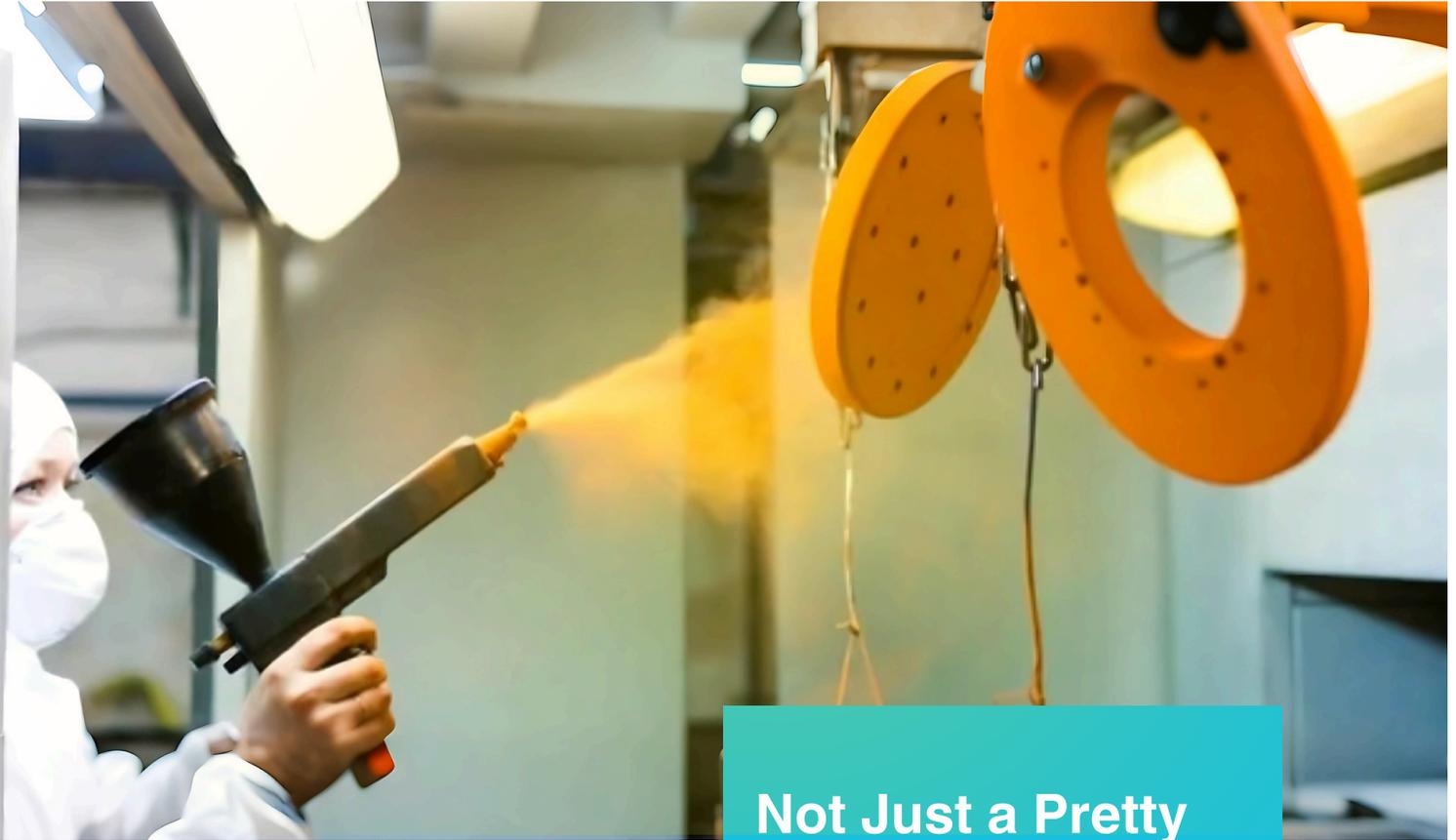
Our facility is equipped with advanced tools and machinery that ensure consistency, accuracy, and excellence in every layer.



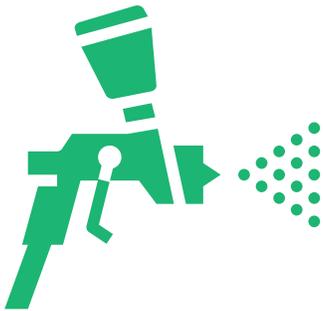
Diverse Coating Capabilities

From precise anodizing to bold powder coating and warm wood finishes, we offer a complete range of surface solutions tailored to your needs.

Powder Coating



**Not Just a Pretty
Coating – It's
Pioneer-Grade
Powder Coating**



At Pioneer Coats, we specialize in high-quality Powder Coating services that provide a durable, aesthetically pleasing finish for a wide range of metal products. Powder coating is an environmentally friendly, cost-effective alternative to traditional liquid paints, offering superior protection against scratches, wear, corrosion, and fading. Whether you're in the Automotive, Industrial, Furniture, or Architectural industry, our powder coating solutions ensure that your products look great and last longer.

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Why Powder Coating Matters ?

Durability & Protection

Powder coating creates a tough, hard finish that is highly resistant to scratches, chips, and wear, providing long-lasting protection for your products in harsh environments.



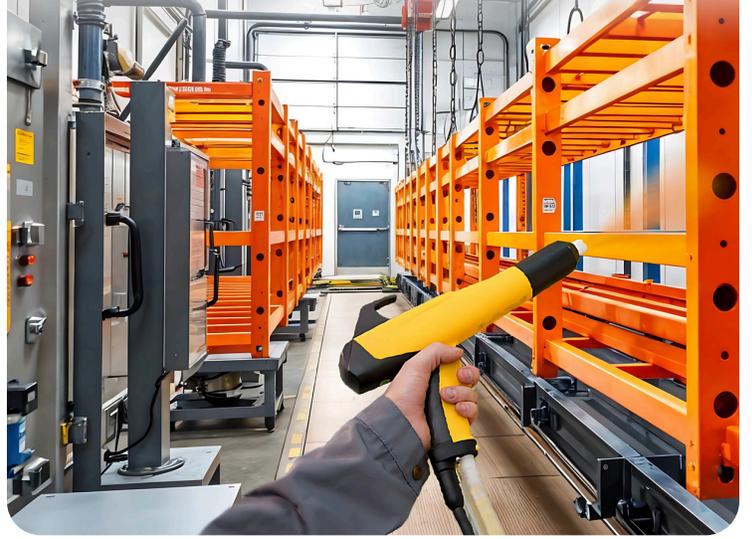
Environmentally Friendly

Unlike traditional paints, powder coating contains no solvents, making it an eco-friendly choice that reduces harmful emissions while still delivering a high-quality finish.

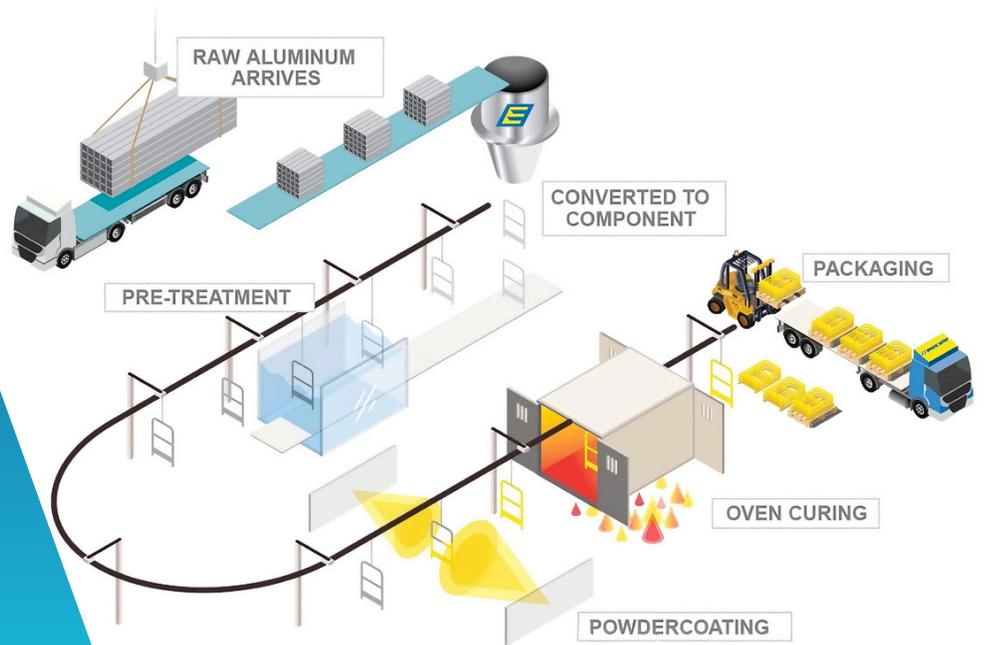
Cost-Effective & Low Maintenance

Powder-coated surfaces require less maintenance due to their durability and resistance to corrosion, saving you money on repairs and replacements over time while maintaining a fresh appearance.





Our Powder Coating process



Discover how we transform metal with precision, durability, and vibrant finishes

Surface Cleaning

The process begins with meticulous surface preparation, where we remove oils, dust, dirt, and other contaminants from the metal using a combination of chemical treatments and abrasive cleaning techniques. Proper surface preparation is critical, as it ensures optimal bonding of the powder to the metal, preventing defects like peeling or uneven coverage. The metal is then carefully inspected to guarantee that it is perfectly clean and ready for coating.

Powder Application

In the next step, the prepared metal is sprayed with electrostatically charged powder using state-of-the-art spray equipment. The electrostatic charge causes the powder to adhere evenly to the surface of the metal. This application is done with precision to ensure a smooth, consistent coating. The powder used is available in a wide range of colors, textures, and finishes, allowing us to customize the coating based on the specific needs of the client and the intended use of the product.

Curing Process

After the powder is applied, the item is placed in a curing oven, where it is heated to a specific temperature to allow the powder to melt, fuse, and form a hard, durable finish. The curing process typically lasts between 10 to 20 minutes, depending on the type of metal and powder used. The result is a strong, uniform coating that bonds permanently to the metal surface, creating a protective barrier that is highly resistant to wear, corrosion, and fading.

Quality Inspection

After the curing process, the product is allowed to cool down to room temperature. Once cooled, it undergoes a thorough quality inspection. We examine the coating for uniformity, ensuring there are no defects such as runs, sags, pinholes, or inconsistent coverage. Adhesion tests are also performed to confirm that the powder has bonded correctly with the metal surface. Only those items that meet our rigorous quality standards move forward to the final stage.

Final Touches & Packaging

Once the coating has passed inspection, any final touch-ups are made to ensure the product looks flawless. This includes smoothing edges or removing any excess powder. After the finishing touches are completed, the coated products are carefully packaged to prevent damage during transport. Our powder-coated products are now ready for use, offering long-lasting protection and an attractive, high-quality finish that meets both aesthetic and functional needs.



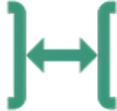
Plant Salient Features

Pre-Treatment System Dip-type 9-tank process: Degreasing, Rinse (1), Deoxidizing, Rinse (3), Chromating, Final Rinse (DM/RO).	Drying Oven Operates at ~100–120°C with insulation and air circulation.	Powder Coating Booth Manual/automatic (reciprocators, electrostatic guns), anti-static floor, ventilation, quick color change.
Curing Oven 180–250°C; 15–20 mins; batch or conveyor; PLC-controlled.	Conveyor System Overhead (Power & Free), continuous or indexing, matched to load.	Powder Recovery Cyclone separator + cartridge filter; up to 98% reuse.
Control System PLC/SCADA for live monitoring of temp, conveyor speed.	Environmental & Safety ETP for pretreatment waste, fume control, fire safety & PPE.	Energy Efficiency Heat recovery systems, insulated units, and VFDs on motors.

Maximum Section Sizes



Max Section Length: 7.2 mtr.



Max Section Width: 0.3 mtr.

Powder Coating Production Capacity



Oven Size

L: 70 ft × W: 5 ft × H: 10 ft



Conveyor Speed

1 mtr. / min.



Production Capacity

1200 sq. mtr. / day



Batch Oven 1

- > Size: 24 ft × 7 ft × 8 ft
- > Batch Qty. : 20 pcs. / 45 min.
- > Prod. Cap.: 600 sq. mtr. / day



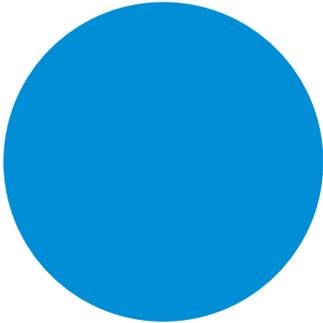
Batch Oven 2

- > Size: 24 ft × 7 ft × 8 ft
- > Batch Qty.: 20 pcs. / 45 min.
- > Prod. Cap.: 600 sq. mtr. / day

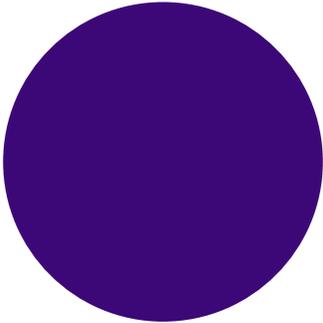
Powder Coating Standards We Adhere

TEST METHOD	TEST	VALUE
ISO 2360	Film Thickness	2.5–3.5 mils (60–80 μm)
ASTM D523	Gloss – 60°	80–95+
ASTM D3359 Method B	Cross Cut Tape test (1 mm Cutting Distance)	5B
ASTM D522	Mandrel Bending Test (Cracking Of Coating)	$\leq 1/8$ inch (≤ 3 mm)
ASTM D2794	Ball Impact Test (Cracking Of Coating)	80 in/lb
ASTM D3363	Pencil Hardness	2H minimum
ASTM D2247	Determination Of Resistance To Humidity (1,000 hours)	Max Undercutting 1/8 inch (3 mm), No Blistering
ASTM B117	Salt Spray Resistance (1,000 hours)	Max Undercutting 1/8 inch (3 mm), No Blistering

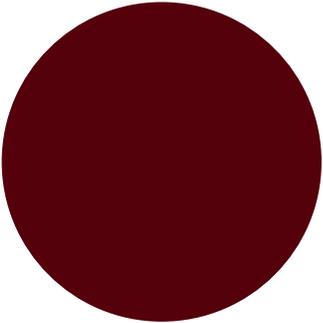
Powder Coating Range



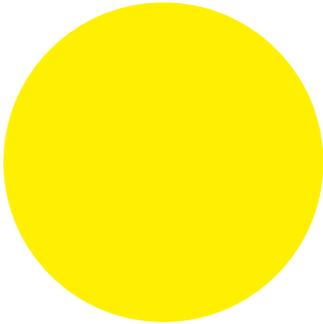
Blaze Blue



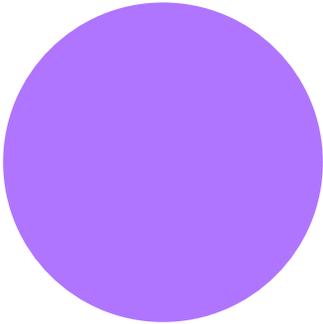
Dark Violet



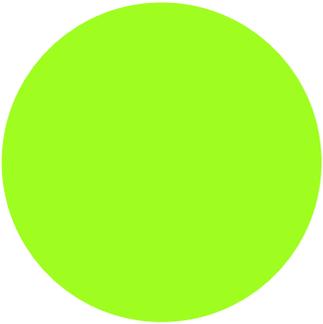
Flame Red



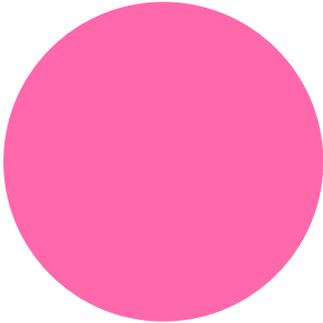
Lemon Yellow



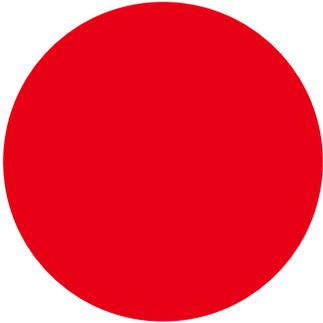
Light Purple



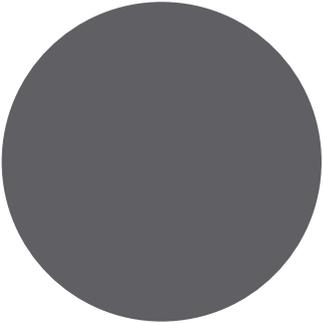
Neon Green



Pink



Red



Dark Grey

Disclaimer: Shades and textures are indicative only. Actual finish may vary, please check samples before finalizing.

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OUR BRANCHES



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Pin- 401208



Thane Branch

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Thane - 421302



Mumbai Branch

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