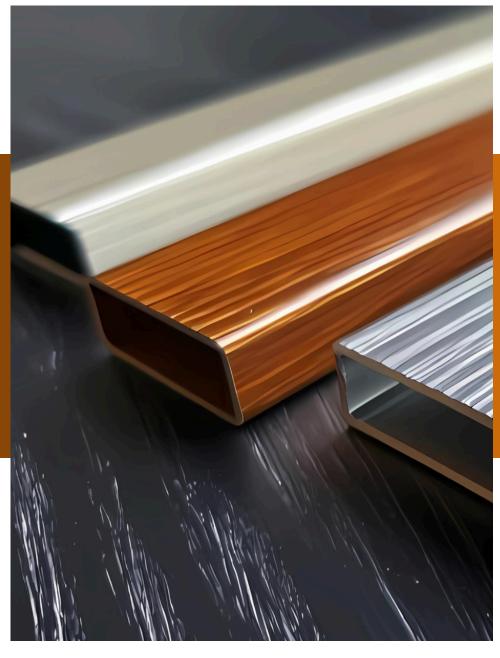


# WOOD FINISHING by Pioneer Coals



Coating Excellence, Delivering Trust

www.pioneercoats.com



# 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!

# 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**

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# 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.

## **Wood Finishing**



# Wood Finish Coating on Aluminium – by Pioneer Coats

At Pioneer Coats, we seamlessly blend the enduring strength of aluminium with the timeless charm of wood through our innovative Wood Finish Coating technology. Engineered with precision, our coatings replicate the natural grain, color, and texture of real wood—delivering a rich, luxurious appearance that elevates both aesthetics and performance.

Our Wood Coating solutions are more than just visually appealing—they're built to last. Resistant to UV rays, moisture, corrosion, and wear, our finishes maintain their beauty and integrity even in harsh environmental conditions. This makes them ideal for both interior and exterior applications, where both style and resilience are crucial.

Whether you're designing windows, doors, railings, partitions, ceilings, claddings, or façade systems, our wood finish coatings offer a sophisticated alternative to natural wood—without the drawbacks of warping, rotting, or heavy maintenance.



### Natural Wood Look, Metal Strength.

Enjoy the aesthetics of natural wood with the structural benefits of aluminium — no warping, rotting, or fading

#### **Eco-Friendly Alternative**

Our Wood Finish Coating replicates the look of real wood without cutting down a single tree, helping preserve natural forests. The process is sustainable, low-waste, and environmentally responsible—ideal for eco-conscious projects.

#### **Weather & UV Resistant**

Ideal for both indoor and outdoor applications, our coatings are highly resistant to sunlight, heat, humidity, and rain — maintaining color and finish for years.

#### **Certified Quality**

Our Coatings are certified to international standards like Qualicoat and Qualideco, ensuring quality, performance, and longevity.

#### Low Maintenance

Unlike real wood, our coated aluminium frames require minimal upkeep — no painting, polishing, or sealing needed.















## **Our Wood Finish Coating Process**

#### **Pretreatment**

The aluminium surface is thoroughly cleaned and treated to ensure strong adhesion and corrosion resistance.





### **Powder Coating Base Layer**

A specially formulated powder is sprayed onto the surface to create a smooth and adhesive base coat — usually in a neutral or woodcompatible color.

#### **Sublimation/Heat Transfer Process**

Using sublimation technology, wood grain patterns are transferred onto the coated aluminium using high-temperature vacuum heat. This results in an incredibly realistic wood appearance with depth, texture, and intricate grain lines.



### **Plant Salient Features**

#### **Pre-Treatment**

System Includes degreasing, deoxidizing, chromating for strong adhesion.

#### **Powder Coating Booth**

Wood-tone base coat application and curing at 180–200°C in a coating booth.

#### **Sublimation Process**

Heat-transfer film (wood grain) using vacuum/pressure application.

#### **Sublimation Oven**

160–200°C for 10–15 mins; ink turns to gas and penetrates base.

#### **Film Types**

Thermal transfer PET films (oak, teak, walnut, cherry, etc.).

#### **Final Curing & Cooling**

Post-sublimation curing and cooling chamber to stabilize parts.

#### **Handling System**

Automatic conveyors, customized jigs, and linear/U layouts.

#### **Quality Control**

Visual, adhesion (crosshatch), gloss, color, and UV/weather testing.

#### **Environmental & Safety**

ETP, dust/fume extraction, and non-chrome and VOC-free materials.

#### **Maximum Section Sizes**



Max Section Length: 7.2 mtr.



Max Section Width: 0.3 mtr.

### **Plant Production Capacity**



#### **Oven Size**

L: 27 ft × W: 7 ft × H: 7.5 ft



#### **Batch Quantity**

24 pieces per 30 minutes



#### **Production Capacity**

500 sq. mtr. / day

# Performance Characteristics of Wood Coating Films

Film Properties	Method	Observations
Impact Strength	ASTMD-2794-69	40 Kg-Cm @ 60μ
Pencil Hardness	ASTMD-3363	Н
Adhesion	ASTMD-3359	GT-O
Gloss at 60° Head	ASTMD-523	Visually
External Appearance	VISUAL	Smooth & Texture
QUV Accelerated Weathering	ASTM-G-154	500 hours
Test (QUV A-340)		500 hours
Packing		Double Polythene Bags and outer side

# Check Out Nature's Touch on Metal



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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