

# What Can Be Powder Coated?

DISCOVER THE POSSIBILITIES WITH PCS

 POWDER COATING SERVICES



## More Than Just Paint – Powder Coating in Action

Powder coating is one of the most versatile and durable finishes available for metal surfaces — but what exactly can be powder coated? At **Powder Coating Services (PCS)**, we work with a wide range of materials and products across commercial, automotive, and custom industries. In this guide, we explore the many possibilities of powder coating and how you can take advantage of it for your next project.

### What Materials Can and Cannot Be Powder Coated?

Powder coating is best suited to **electrically conductive materials**, most commonly **metals** such as **aluminium, mild steel, stainless steel, and galvanized steel**. These materials can effectively attract the electrostatically charged powder during application, ensuring proper adhesion and finish. However, **non-conductive** surfaces like **wood, plastic, rubber, and glass** generally **cannot be powder coated** unless they undergo specialised pre-treatment or hybrid coating techniques — which are not standard in most industrial applications. At PCS, we focus on coating metal substrates to ensure durability, adhesion, and optimal curing performance.

### Common Items That Can Be Powder Coated

#### PCS Services & Applications



**Industrial**  
Machinery, Equipment, Structural Components



**Automotive**  
Wheels, Chassis, Engine Parts, Trim



**Architectural**  
Railings, Gates, Window Frames, Fixtures



**Electronics**  
Enclosures, Heat Sinks, Brackets

## **1. Structural and Architectural Metalwork**

From balustrades and fencing to window joinery and structural steel, powder coating offers a long-lasting, UV-stable finish ideal for outdoor or exposed applications. We regularly work with:

- Balustrades and staircases
- Aluminium joinery
- Fencing and gates
- Architectural panels and screens

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## **2. Automotive and Motorsport Components**

Whether it's giving a new life to alloy wheels or protecting a chassis, powder coating provides an even, chip-resistant finish.

- Car and motorcycle wheels
- Frames and suspension parts
- Bike and e-bike frames
- Bull bars and nudge bars

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## **3. Residential and Lifestyle Products**

Powder coating is perfect for outdoor furniture, garden art, and other home décor — especially when aesthetics meet harsh NZ conditions.

- Outdoor furniture & pergolas
- BBQ frames and metal benches
- Planters, mailbox posts, and brackets
- Custom artwork or signage

## **4. Industrial and Engineering Components**

PCS also works with engineers and fabricators across New Zealand to provide protective coatings for high-use industrial items.

- Machine parts and enclosures
- Racking systems and shelving
- Metal housings and cabinets
- Custom fabricated parts

# Why Powder Coating is Ideal for So Many Applications

- Superior durability
- Wide colour selection (including *Dulux Powder Coatings*)
- Weather, UV, and corrosion resistance
- Eco-friendly with no solvents or VOCs

## Powder Coating vs Traditional Paint

Feature	Powder Coating	Liquid Paint
Durability	✔ Excellent	⚠ Good
Environmental Impact	✔ Low VOCs	✗ High VOCs
Waste	✔ Recyclable	✗ Not Recyclable
Finish Quality	✔ Uniform	⚠ Variable
Cost Efficiency	✔ Long-term	⚠ Short-term

The rigorous and quality assured process followed by PCS helps the powder coating work to be of high standards despite the metals used for powder coating. The process is geared to pre-treat the metals properly before powder coating and follow up with a QA check.

## PCS 5-Step Process



💡 **Key Takeaway:** Powder coating works best on metals that can withstand high temperatures (160-220°C). The electrostatic process requires conductive materials for proper adhesion and curing.

At PCS, we are proud to be **Dulux AlumiShield® and SteelShield® Accredited**, ensuring your coating not only looks great but meets industry standards.

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### **Let PCS Bring Your Vision to Life**

With over 30 years of experience in New Zealand, PCS offers expert-level powder coating tailored to each application. Whether you're restoring wheels or finishing a commercial fit-out, we have the expertise, technology, and certifications to deliver.

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