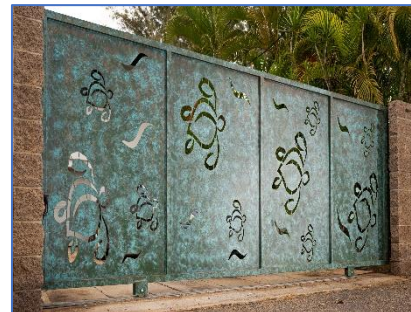
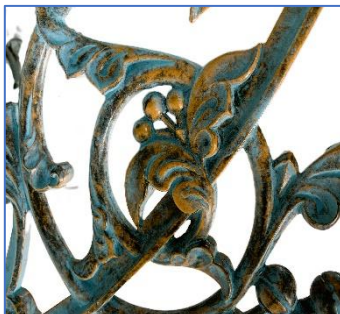




Powderlux Industrial Finishes – Matt, Satin and Textured Matt Range

Product Description: Patina PowderLUX® range of Industrial finishes are premium coatings meticulously crafted to deliver durability with visually stunning results across a variety of surfaces. With a diverse selection of colours, textures, and effects, these finishes are perfect for enhancing both indoor and outdoor spaces. Utilizing a patented powder coating process, Patina PowderLUX® Industrial finishes ensure exceptional performance and aesthetic appeal in applications such as aluminium fabrications, doors, balustrading, urban furniture, fences, gates and related steel structures. Whether for exterior or interior use, Patina PowderLUX® industrial finishes promise outstanding durability and decorative charm.

Colour Availability: Patina PowderLUX® Industrial comes in a wide range of colour effects, in both Matt, Satin and Textured Matt, for more details please contact CoaterFX.

Product Properties:

Chemistry	Thermosetting Polyester cured with multifunctional curing agent (TGIC Free)
Application	Electrostatic Corona
Coating Thickness	Multi-layer system film thickness should be in the range between 90-140 microns (µm), with a minimum total thickness of 90µm.
Gloss	8% - 75% Depending on product.
Colour	Visual agreed standard. Note that colour variation is a feature of PowderLUX.
System Performance	Meets performance requirements of BS EN 12206 on Aluminium. Meets performance of EN 13438 for galvanized steel. Mild steel performance is subject to an agreed manufacturing process.
Range	PowderLUX® Matt, Satin & Matt texture versions

Substrate Preparation:

Using the appropriate surface treatment is crucial and is based on the substrate type and desired performance. Prior to coating, the surface must be thoroughly cleaned to remove any oxidation, oil, grease, or other contaminants. Powderlux will advise the appropriate pretreatment based on the desired level of corrosion resistance performance. If necessary, corrosion resistance can be further improved by using a suitable primer system in addition to the pretreatment process.

Pretreatment		Aluminium	Steel	Galvanized Steel
Chemical	Cr-Free (Zr, Ti, Oxalanes or alternatives)	✓		✓
	Zinc Phosphate		✓	✓
Mechanical	Grit blast (SA2.5)			✓

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Mechanical tests unless otherwise specified, all tests were carried out under laboratory conditions on 0.8mm aluminium panels prepared to the specifications described in ISO 9227. A powder coating DFT of 90-130 microns was used.

Mechanical Tests

Flexibility	ISO 1519 Cylindrical Mandrel	Pass >5mm
Impact	ASTM D 2794	>25kg cm (N)
Adhesion	ISO 2409 2mm Crosshatch	Pass Gt0
Hardness	ISO 2815 Buchholtz Indentation	>80
Cupping	ISO 1520 Erichsen Pass	>5mm

Corrosion and Durability

Boiling Water	2 hours boiling water	No defects or detachments
Salt Fog	Acetic Acid ISO 9227	After 1000 hours, per 10cm scratch: Total Corrosion <4mm
Mortar Resistance	ASTM C207	Easy to remove. No staining
Humidity	ISO 6270-1	Pass. 1000 hours without any effect
Sulphur Dioxide	Kesternich Test ISO 3231	After 24 cycles, infiltration <1mm from scratch

Weathering

Natural	Florida Sun Test ISO 2810	After 12 months exposure, residual gloss > 50% (Visual)
Accelerated	Xenon SUN Test ISO 11341	After 1000 hours, residual gloss > 50% (Visual)
	UV-B 313 Test ISO 11507	After 300 hours, residual gloss >50% (Visual)
Colour Fastness	Natural Accelerated Florida Sun ISO 2810 Test	Colour differences (ΔE) within tolerances specified by Qualicoat. (Visual)
	Xenon SUN Test ISO 11341	

Chemical Resistance

The range demonstrates excellent resistance to various substances, including water, brine, hydrochloric acid, dilute sulphuric acid, acetic acid, phosphoric acid, dilute alkalis, peroxides, bleach, alcohols, and urea. However, it's important to note that some cleaning products may potentially damage the appearance of the coating. It's advisable to test a small inconspicuous area first before using any cleaning product on the surface.

Local repair and maintenance

Regular cleaning is recommended to maintain the appearance and durability of the Patina PowderLUX® Industrial finish, clean the coated surfaces periodically using mild detergent and water.

Local repair can be undertaken but for extensive repair we recommend that material is returned for stripping and recoating of the material.

Project Approval:

Any specified Patina PowderLUX® Industrial finish coating must be approved by the end client, or project manager before commencement of work, using the Patina PowderLUX® Industrial specified description name and Patina PowderLUX® Industrial reference number on any project drawings (Available from CoaterFX).

Your project will include a bespoke project and product data sheet.

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Warranty:

The Patina PowderLUX® Industrial finish coating includes the Coater FX warranty covering colour and gloss, when applied using the recommended process. The industrial product does not carry any warrantee for performance relating to adhesion or corrosion resistance from CoaterFX. Any warranty for adhesion and corrosion resistance is the responsibility of the Industrial applicator subject to the conditions of maintenance and repair as detailed in our terms and conditions.

Any client requesting performance related warrantees must contact CoaterFX

Approved Applicator:

Patina PowderLUX® Industrial effects are only available through specified approved distributors. For a list of approved applicators please visit the Powderlux website www.powderlux.com or by email Kim@powderlux.com

Patina Powder Coat & PowderLUX©

Bring patina powder coating into your next residential & architectural project without using expensive copper, liquid paint, sublimation, or chemical induction. Whether you're a product engineer, design house, architect or specifier our VOC-free, powder coating effects provokes conventional thinking about patina coating metal. Our innovative technique & signature colours mimic traditional liquid & chemical looks without all the headaches of achieving them. The PowderLUX© Industrial line delivers outdoor super durability with distressed finishes from aged copper, rust, blackened steel, brushed bronze & glazed terracotta effects.



“AGING WITHOUT THE WAITING”