

**euramax**  
FOR ARCHITECTURAL ENVELOPES

**AMBROMETALS**

# SUPERIOR PERFORMANCE

**EURAMAX Premium Colour-Coated Aluminium** - The elite choice for architectural roofing and cladding applications. Advanced technical capabilities allow EURAMAX to apply the best in environmentally friendly, multi-layer, PVDF and FEVE paint technology. EURAMAX offer a vast range of architectural finishes which are then applied to the ultimate in lightweight, highly **corrosion resistant**, formable aluminium alloys, constructed specifically to tackle New Zealand, Australia and the South Pacific's harshest environments.

EURAMAX's European pre-coating technology leads the way in colour and design options. Utilising **high performance topcoats** gives your project the ultimate protection, look, longevity and warranty it deserves. Such excellence has seen EURAMAX supply to the worlds largest pre-coated architectural projects, ("Ferrari World"—Abu Dhabi and "King Abdulaziz Airport"—Jeddah).

EURAMAX pre-coated aluminium is the **low maintenance**, affordable, long term solution, favoured for many residential and commercial architectural projects delivering a wealth of advantages over alternative products.

## IN STOCK FINISHES

See online or make contact to view the range of unique architectural finishes held in stock at Ambro Metals Ltd service centre. Alternatively explore the vast possibilities from an abundance of over 3000 finishes that EURAMAX has to offer with the Team.

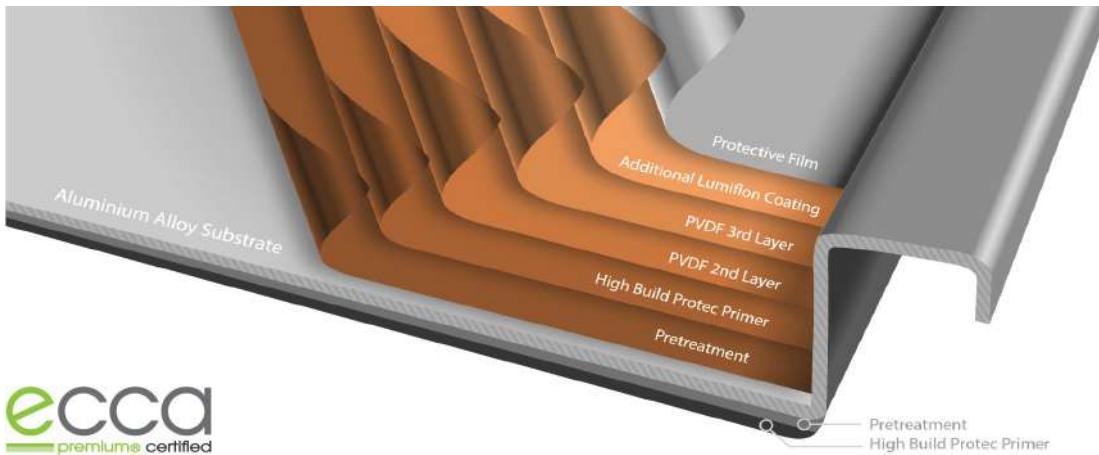


Weiti Bay House, Auckland, NZ | Cyprus Oxide  
Designed by Simon Pirie Architects

# Advanced Coating Technology

**PVDF** (Polyvinylidene fluoride) and **FEVE** (Fluoroethylene vinyl ether) paint systems offer superior performance characteristics in the battle against harsh ultraviolet radiation and chemical attack. The strength of these paint systems protect against premature fading, chalking or peeling of the paint surface. The excellent formability of these paint systems accommodates the use of intricate architectural profiles while avoiding the problem of micro fracturing in the paint surface.

EURAMAX' s technical abilities and state-of-the-art coil coating process enable multiple layering applications (2 – 4 layers), resulting in extended warranty periods and superior lifelong performance. All colour coatings are applied over a high build Protec+ primer coating which bonds to a chromate free pre-treatment process. These high end paint systems are eco friendly and perfectly suited for rainwater harvesting.



## Technical

Ambro Metals | Ex Stock Euramax  
 Conforms to EN 13523  
 Suitable for ISO9223  
 Atmospheric Classification C1—C5I & C5M

## Substrates

Alloys 3000 and 5000 series (marine grade)  
 Thermal coefficient of 0.024mm/m per °C

## Aluminium - Performance Benefits

Aluminium is the ultimate choice for pre-coated metal applications. A highly corrosion resistant non-ferrous metal that will not rust or deteriorate like coloured steel products becoming the sensible long-term choice especially in coastal environments. It is almost 1/3 in weight of steel and exhibits strong mechanical characteristics along with high fatigue strength.



Chemical composition		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other each	Other total	Aluminium
Alloy	5754	0.40%	0.40%	0.10%	0.50%	2.60 - 3.60%	0.30%	0.20%	0.15%	0.05%	0.15%	Remainder
	3005	0.60%	0.70%	0.30%	1.00-150%	0.20-0.60%	0.10%	0.25%	0.10%	0.05%	0.15%	Remainder

Mechanical tolerances acc. to EN 1396 and Physical properties acc. to EN 485/4



### Eco-friendly Pretreatment

Chromate and heavy metal free coatings make EURAMAX the **GREEN** choice for exterior applications



### High performance top coat

70/30 PVDF and FEVE paint systems.  
 32µm ± 2µm finish coat + 10µm high build primer



### High build Protec+ primer

Both front and reverse sides of the aluminium substrate are first coated with a 10µm ± 1µm of primer.



### Protective Foil

60-80µm protective film is applied to the top layer for protection during fabrication and installation.

# Architectural Profile Options

A wide range of both exterior and interior architectural profiles can be produced using EURAMAX pre-coated aluminium. Some key profile types can be seen below utilising available finishes in 0.80mm thick aluminium. Alternative thicknesses up to 2mm pre coated aluminium can be obtained from EURAMAX for commercial façade designs dependant on volume required. Please speak to the Architectural Support team at Ambro Metals Ltd or consult your selected profile manufacturer for more information.

Examples:



Standing seam



Shingle/Hook seam



Interlocking panels



Cassette panels

## Premium Warranty

The most important benefit to high-end buildings is our commitment to product quality and performance. This strong quality claim is supported by long warranty periods, 15—20 years for direct coastal applications and greater for inland projects  $\geq 1500\text{m}$ .

## Low Maintenance

Maintenance and upkeep costs are a major driving factor when designing your building envelope. Explore the Inspection, maintenance and repair guidelines within the appropriate warranties to understand the benefits of EURAMAX products.



Wanaka House, NZ | GOTHAM Black  
Designed by Condon Scott Architects



Papanui Club, Christchurch NZ | Ultra Matte–Grey Black  
Designed by RM DESIGN



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Richmond Working Men's Club, Christchurch NZ | Middle Bronze  
Designed by Walker Architecture

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**Ambro Metals Ltd**