

old copper bronze stainless steel rust brown brass aluminium pewter treasury bronze **Ax**olotl

metal 2013



Redefining Boundaries

Axolotl has pushed the boundaries of design since our inception in 1995 when we pioneered the bonding of semi-precious metal onto any substrate. Over the past 18 years we have never rested in our quest to continue to amaze and inspire, taking architectural glass to new creative heights since 2005.

Committed to ever evolving, we are constantly developing the range of products we offer and introducing new technologies and new aesthetics that meet the increasingly diverse needs of our customers.

The Axolotl name is synonymous with technological innovation and state-of-the-art-design. We are at the forefront of our game and we are dedicated to providing the best quality and most innovative products for Australian and international markets.

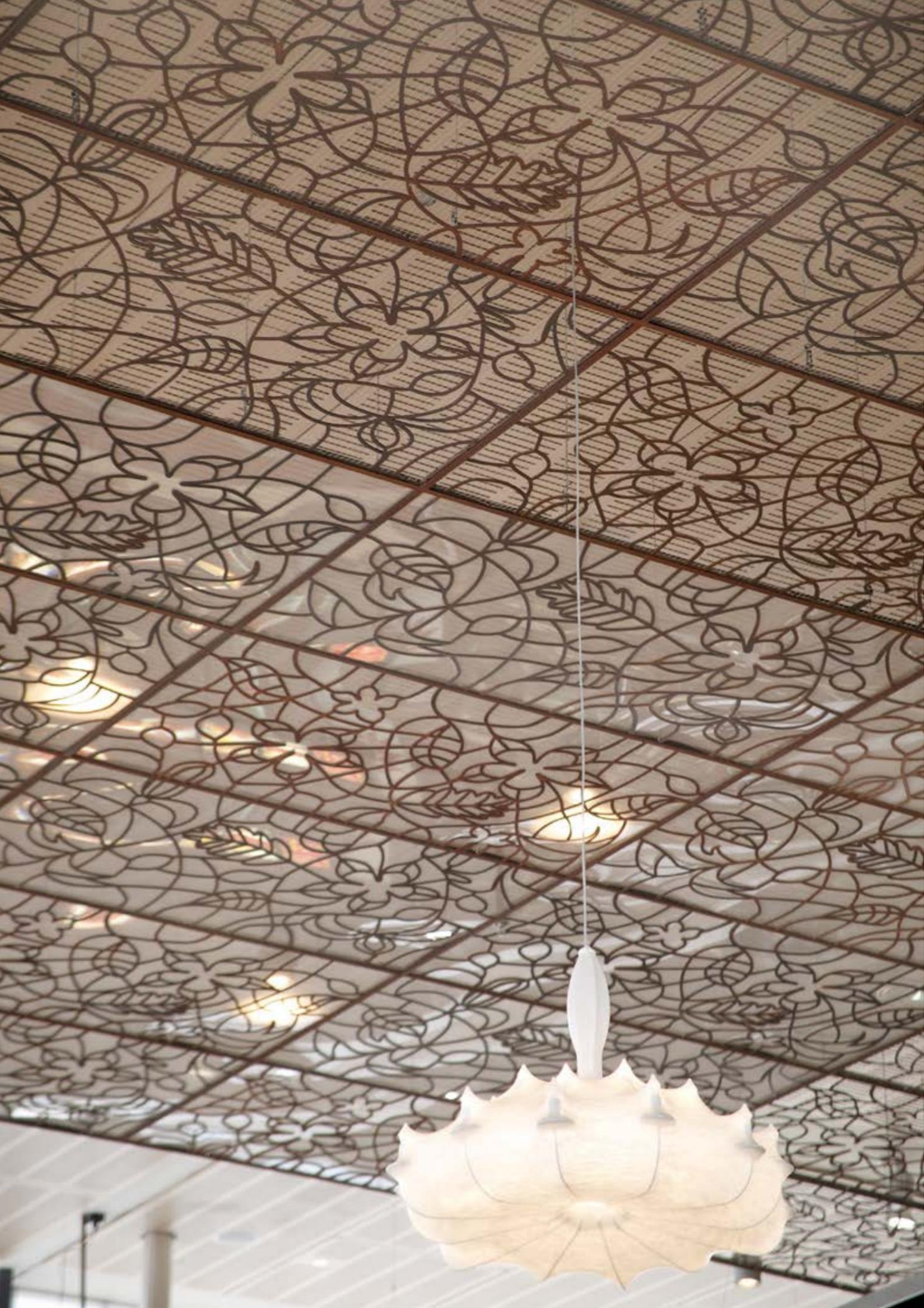


Axolotl Metal is a specialist metal application company which manufactures authentic and unique metal coatings for interior and exterior applications. It utilises a proprietary technology developed by the company, whereby semi-precious metal in a liquid form is bonded to the surface of any substrate.

Axolotl Metals provide a source of inspiration for architects and designers. They extend both the design and construction potential of any substrate by lending it the appearance of solid metal with none of the restrictions. Once applied, the surface can be treated as if solid allowing endless finished effects.

Axolotl Metal's technical and design team is dedicated to assisting all areas of the design market - architecture, furniture, signage, sculpture and shop fittings - to fully realise the potential of Axolotl Metals. We provide a customised service from conception to completion.

Substrates that can be bonded with Axolotl Metal include, but are not limited to, MDF, timber, plaster, ceramics, fibreglass, concrete, acrylic, glass and steel. Metals that can be applied using the Axolotl Metal technique include bronze, brass, copper, pewter, nickel, zinc, graphite and stainless steel, in addition to a range of alloys.



Contents

Contemporary Doors	08
Designer Doors	12
Aged Doors	14
Garage Doors	16
Gates	20
Fences	24
External Facades.....	26
Feature Walls.....	28
Screens	30
Counters.....	32
Kitchens	34
Sculpture.....	36
Signage	38
Fit-Outs	40
Furniture	42
Balustrades	44
Flooring	46
Lift Doors &.Interiors.....	48
Garden Art	50
Link	52
New Textures	54
Close Up	56
Metal Samples	60
Beware of Imitations	62
Technical Specifications	64

Contemporary Doors



Over the years doors have become a significant part of the Axolotl creative skill. It's not surprising when you see on these pages what is just a snapshot of the vast range of design possibilities already explored by designers and architects.

It's easy to see how applying metal design in residential homes can not just make a unique design statement, but also add value to a property.

Choose from a range of standard doors or alternatively have one custom made and manufactured to your specifications.





Treasury Bronze
Triffid Etch



Treasury Bronze Pearl
Shiver Horizontal



Bronze Pearl
Channels



Bronze Florentine
Cortex Vertical



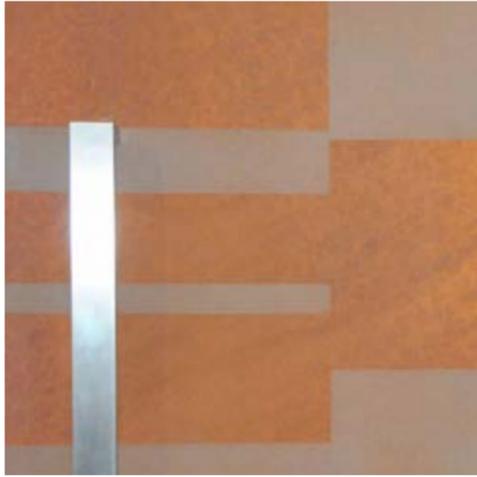
v Aluminium
Lunar



Treasury Bronze Pearl
Shiver Vertical



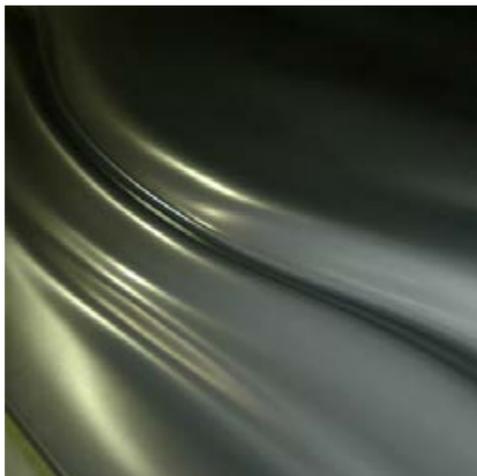
Designer Doors



Virginia Kerridge - Composition No. 3



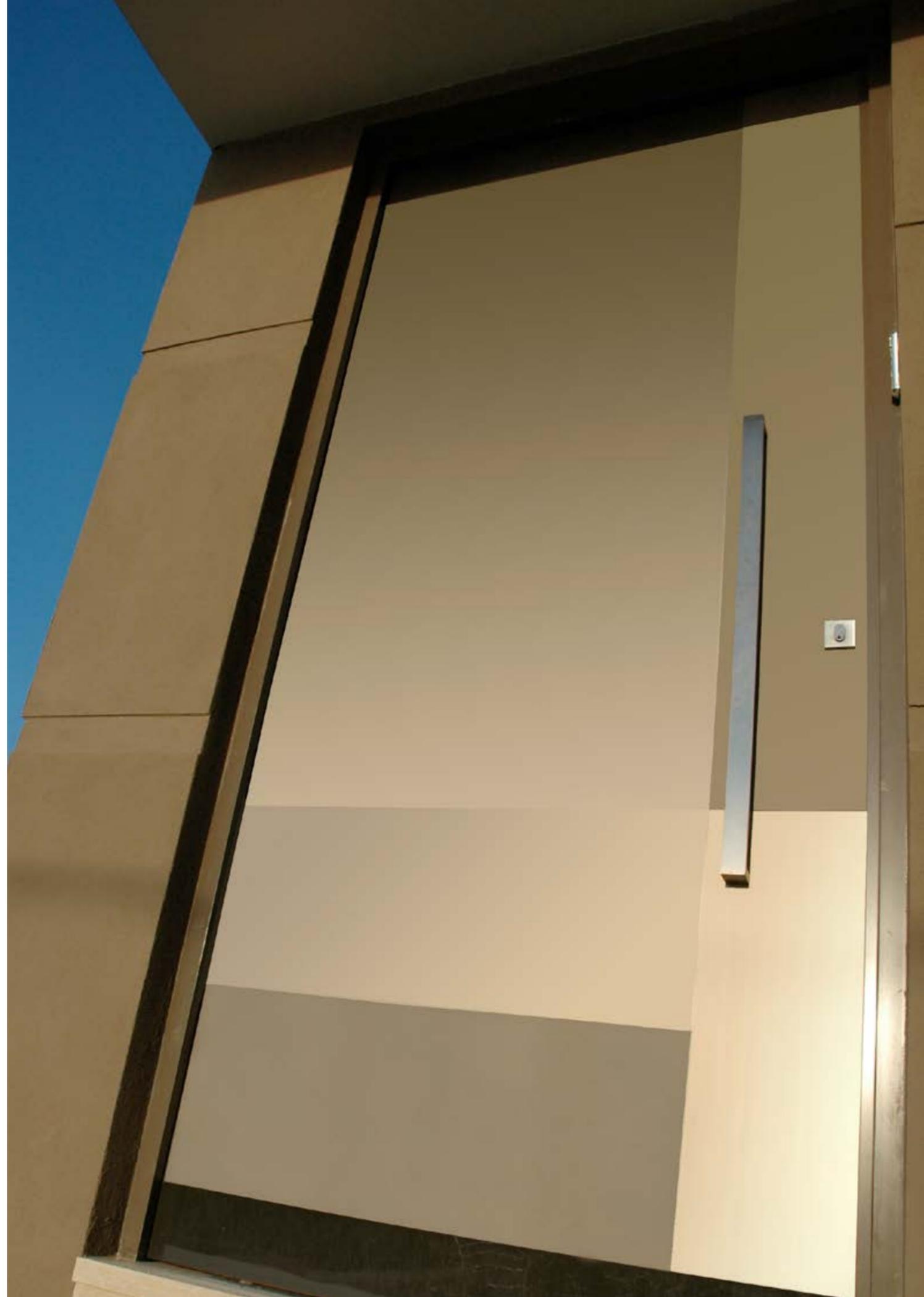
Melocco and Moore - mesa



Dale Jone-Evan Architecture - Adore

As many have already discovered, Axolotl Metal has opened up a host of creative possibilities otherwise limited by size, cost or practicality.

Teaming up with the most prestigious members of the Australian design community, Axolotl Metal has launched the first of a complete series of doors for the international market. Completed in 2006, the awarded Signature series of doors has included design partners such as Alexander Tzannes, Ed Lippmann, Dale Jones-Evans, Bruce Rickard, Virginia Kerridge, Melocco and Moore, Stanic Harding, Sam Marshall and Burley Katon Halliday (BKH).

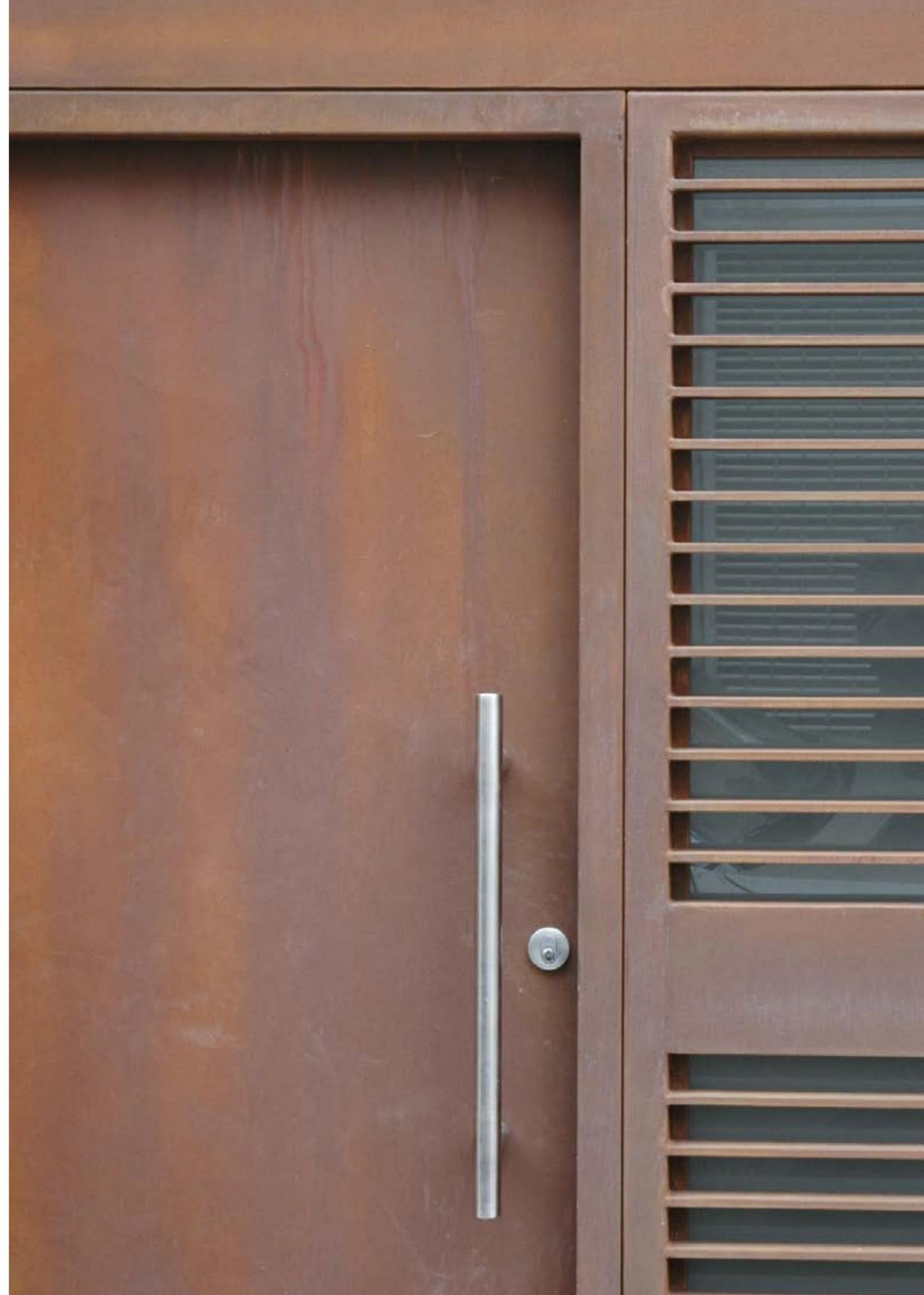
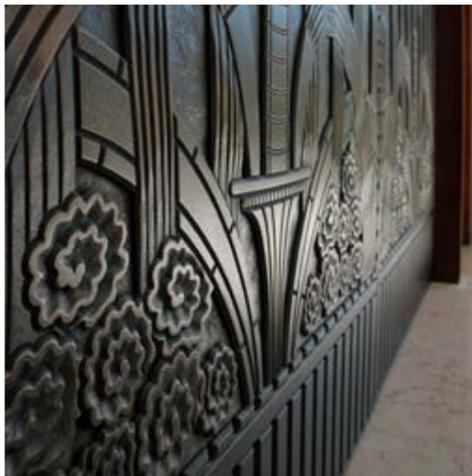


Aged Doors



If it's the more robust classic look of aged metal you require, Axolotl Metal is the perfect solution. Axolotl coatings are made of real metal enabling us to age and patina any object as though it were cast from solid metal.

The effect is dramatic when applied to doors, instantly creating a story and context for any space. Verdigris Patina, Pearl Patina, Antique, Florentine and Rust are among the effects Axolotl can achieve. The result is a timeless look that adds texture and warmth to any setting.

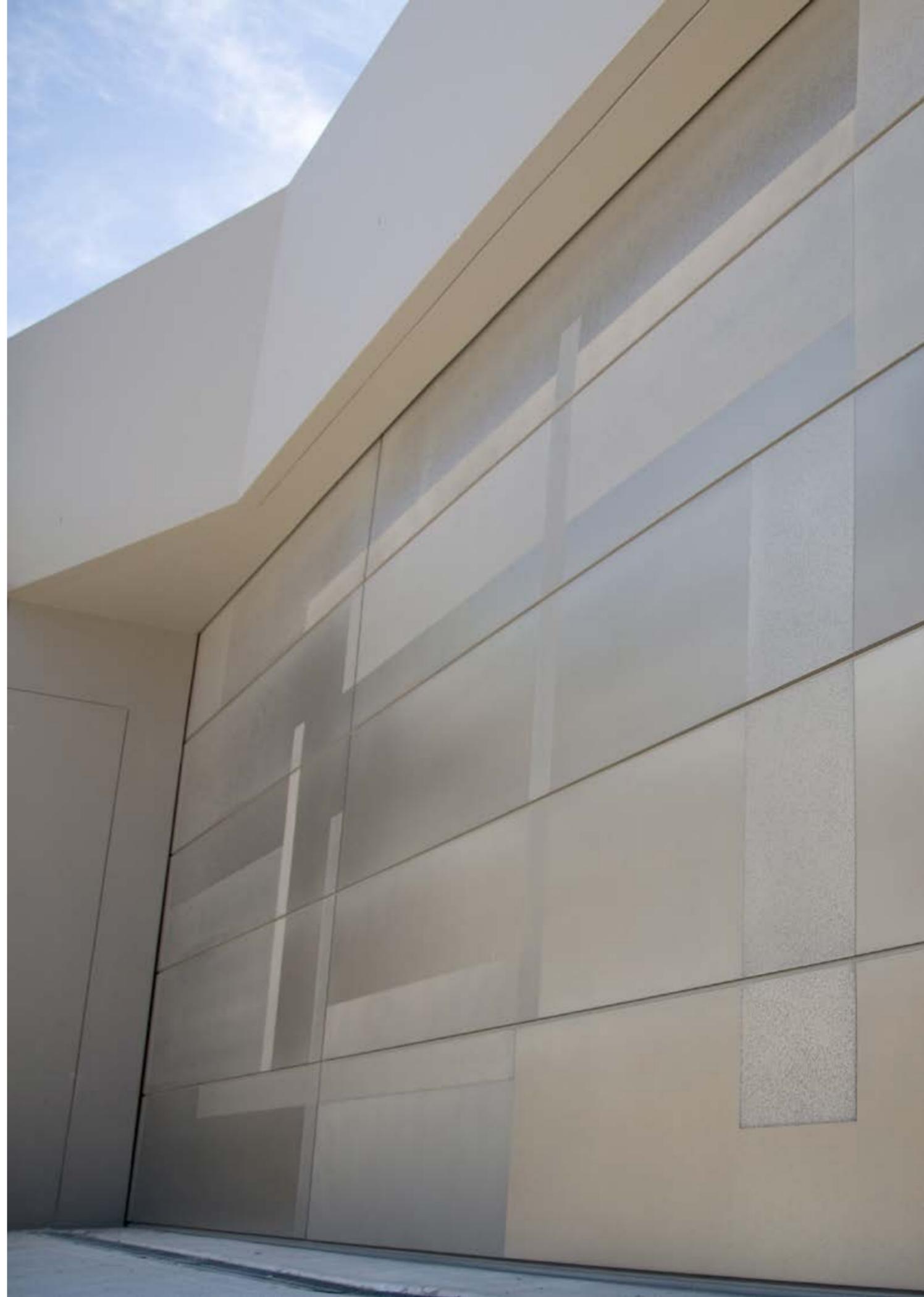
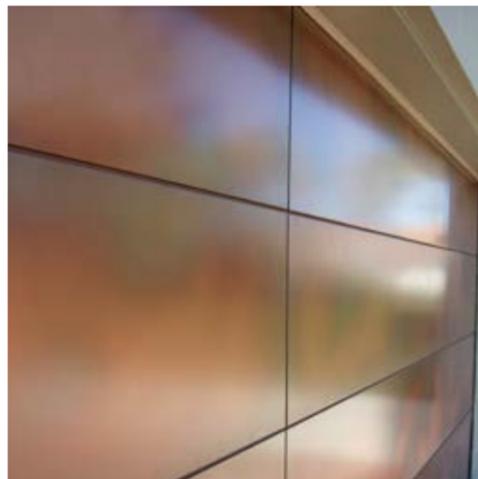


Garage Doors



Garage doors are one of the first features of a residence people see yet often seem as if they've been left to last on the design front. A big part of this is that the aesthetic options have been limited to conventional garage doors that look like, well, garage doors.

Once again, Axolotl Metal has manipulated form with function to create a range of garage doors that are only limited by your imagination. The substrate of garage doors make them ideal for any of our metals, textures and aging effects and it's relatively ease to incorporate your lasercut or routed pattern or design to achieve an even more unique and innovative effect.



Garage Doors



Gates

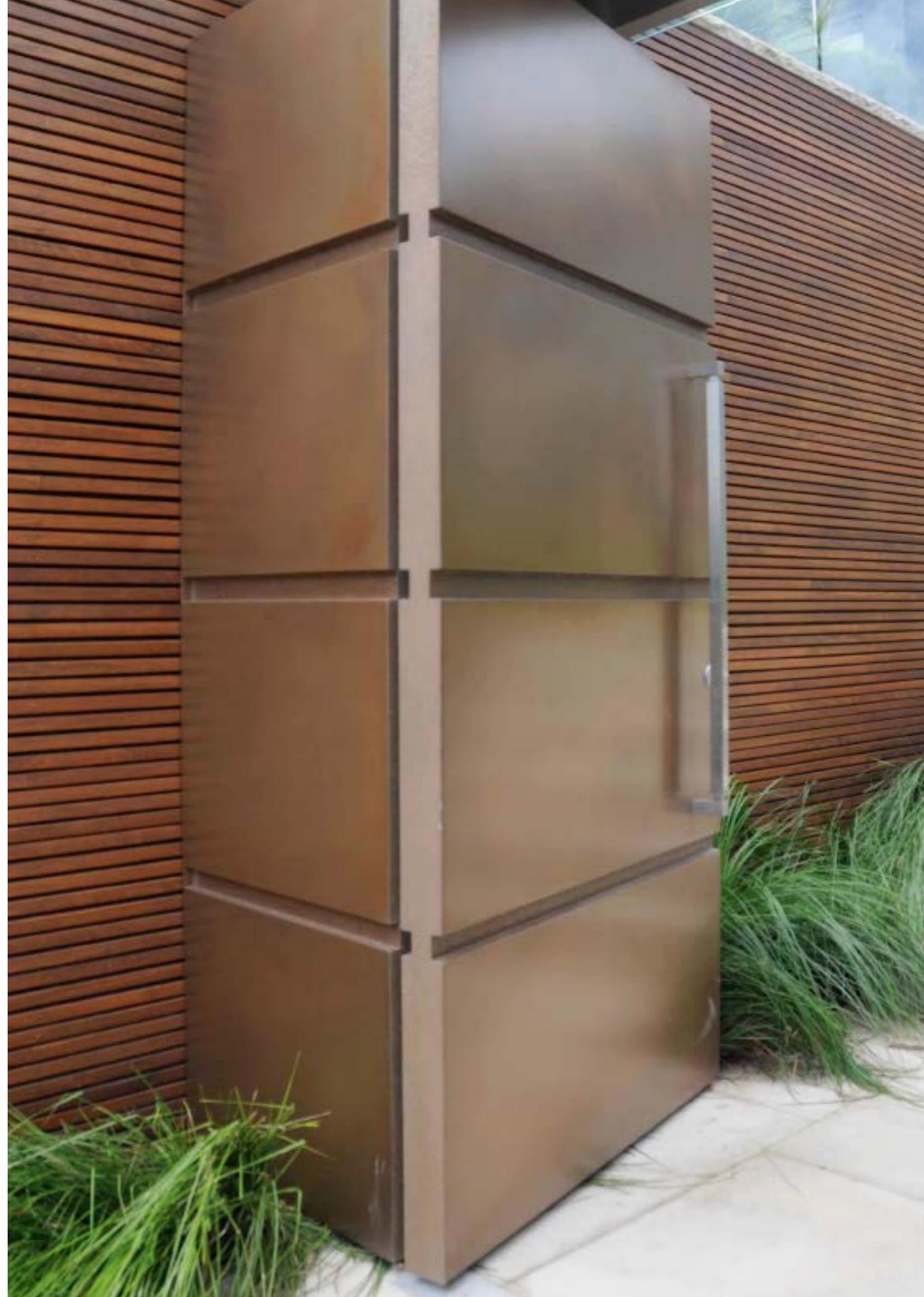


Attain privacy, security and peace of mind without compromising on style with an Axolotl metal custom designed gate.

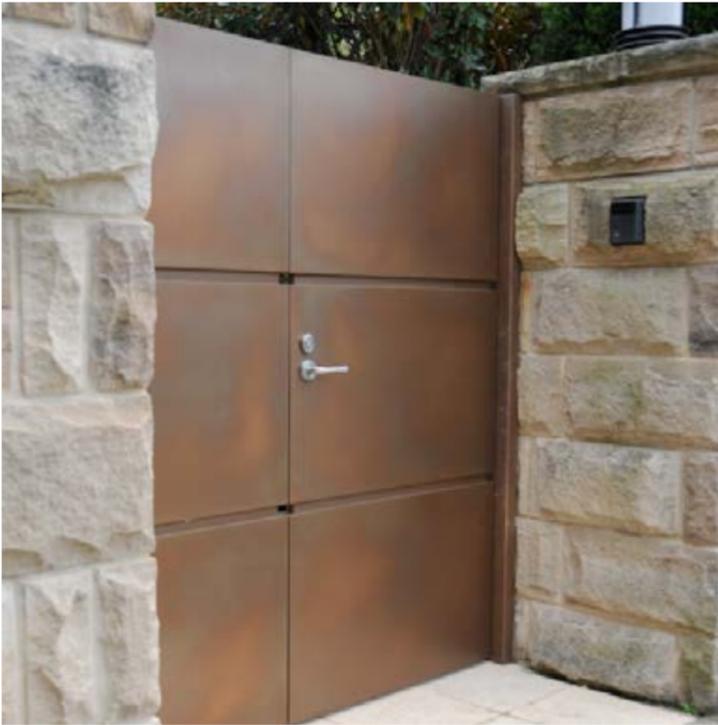
Axolotl Metal is ideal for external gate applications, being weather proof and sealed to prevent aging (if required). Lasercut, flat or three dimensional panels in practically any material including steel, aluminium and phenolic resin to name a few, can be bonded with Axolotl metal.



Co-ordinate your gate with other elements of your building façade using Axolotl metals, including fencing, garage doors or entry doors to create an unified look.



Gates



Fences



External Facades



Axolotl Metal can work with any panel facade system on the market and most customised systems, to create a stunning feature for any building. Facade panel substrates which can be bonded with Axolotl Metal include, but are not limited to, CFC, phenolic resin, aluminium and steel.

More than 200 Axolotl Metal effects can be created, including embossing and/or debossing, company names and logos, street numbers and even artworks.

Create a unique feature of structural and architectural elements such as blades, building skins and curtain facades with Axolotl Metals. Axolotl provides architects and designers access to a vast palette of metals, which they could previously only dream of ever using.



Feature Walls



Axolotl Metals are durable enough to withstand the demands of high traffic areas and are ideal as a unique feature in any space. Axolotl Metal can be bonded to almost any substrate, allowing for ease of construction and installation.

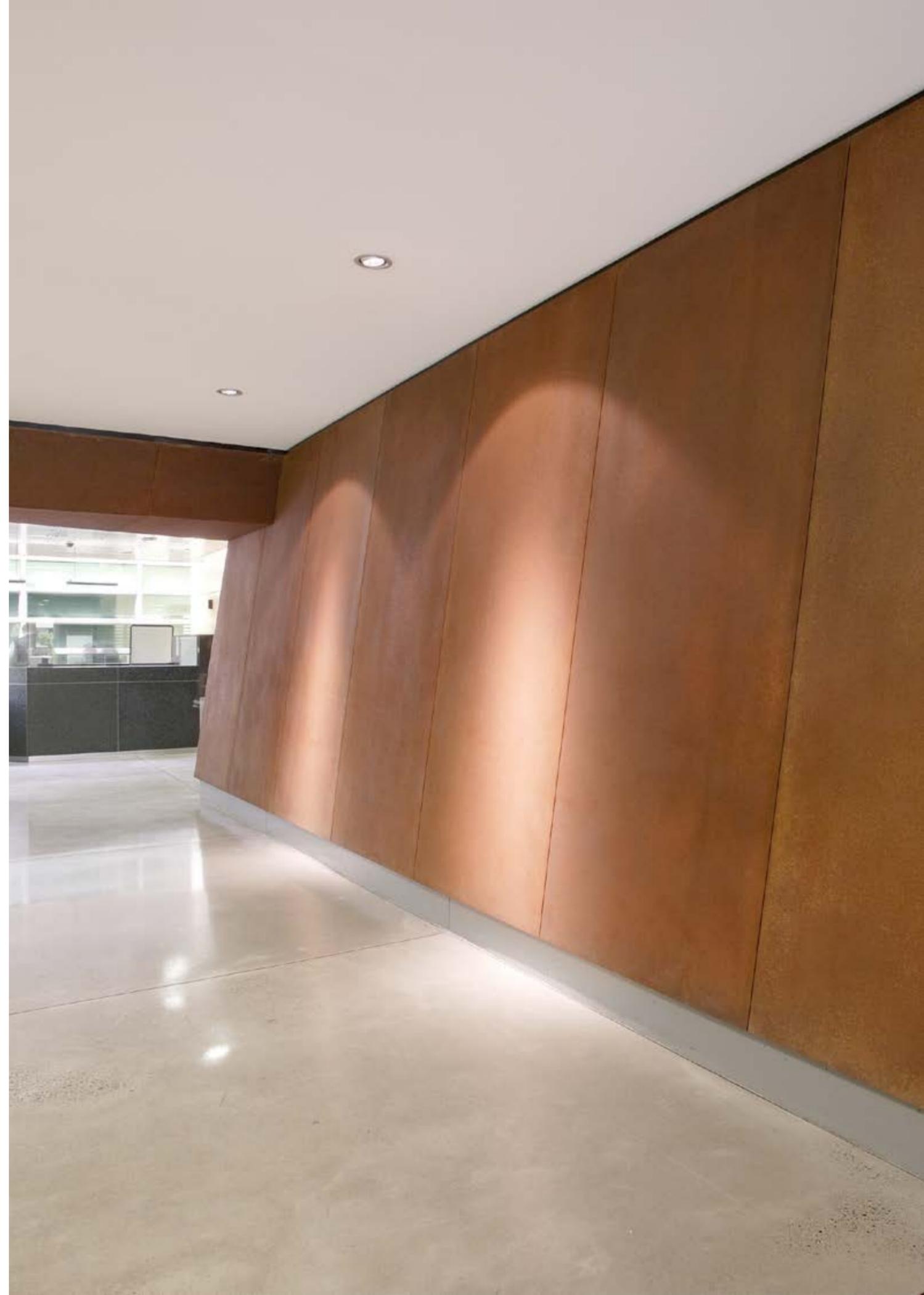
A variety of different metals can be applied to adjacent panels to create a unique and attractive effect. Alternatively one metal can be bonded to components of differing thicknesses where shadows play on the surface creating depth and dimension.



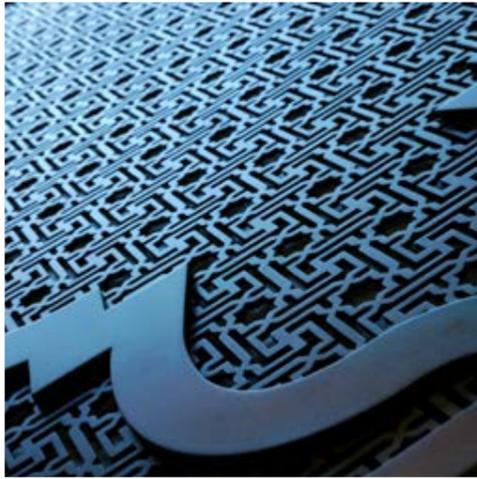
Axolotl Rust is used here over a vast expanse displaying the rich variation and intense colours found in rusted iron. A similar effect can be achieved by applying a pearl patina to Axolotl Metal to create variation over a large area.



Custom panels in any pattern can be made with Axolotl Metal, and are suitable for both internal and external application.



Screens

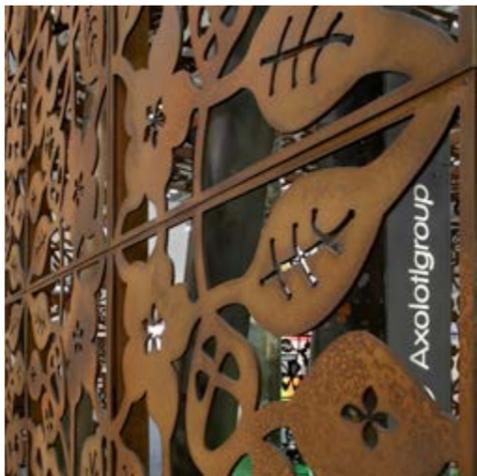


Add a touch of exoticism to your next shop, restaurant or bar fit out with one of Axolotl's beautifully crafted metal screens. Choose from a range of standard screens or create one customised to your specifications.

With Axolotl's ability to lasercut or router any design, screens and feature walls can be bonded with a multitude of metals and effects to create an individual statement for your next project.



The visual impact doesn't give away the cost savings realised from producing the screens with Axolotl metal rather than solid bronze - just another reason to consider metal bonding as a superior alternative to cast metal.



Counters



The durability of Axolotl Metal makes it ideal for counters and joinery in high use areas. Retail, restaurants, reception areas, hotels and bars are just some of the possible applications.

Far from being limited by flat planes, Axolotl Metals can be applied to myriad surface designs including faceted, scalloped, layered, stacked and curved to name a few. The flexibility of Axolotl Metals allows them to be bonded to almost any form or shape.



Specialising in the bespoke, Axolotl can work with entire joinery units or smaller design components. Whether it's a contemporary, traditional or aged aesthetic, there is an Axolotl Metal to be incorporated into your design story.



Kitchens



Breadth of design, individuality and durability, make Axolotl the perfect new world material for kitchens. The metals can be incorporated into countertops, splashbacks, doors and appliances.

Renovation or rebuild, Axolotl Metals introduce a sleek and evocative aesthetic to any interior. To evoke space and luminosity a bright metal such as Stainless Steel, Zinc for Aluminium can be used. Alternatively a dark metal such as Treasury Bronze, Pewter or Sentinel Copper will create atmosphere and drama.

Axolotl Metal can be used in joinery of any kind in any domestic or commercial setting. Previous items bonded with axolotl metal include bathroom cabinetry, bath surrounds, desks, chairs, tables, and mirror frames. Axolotl Metal can be used wherever the substrate is suitable for the function of the space.

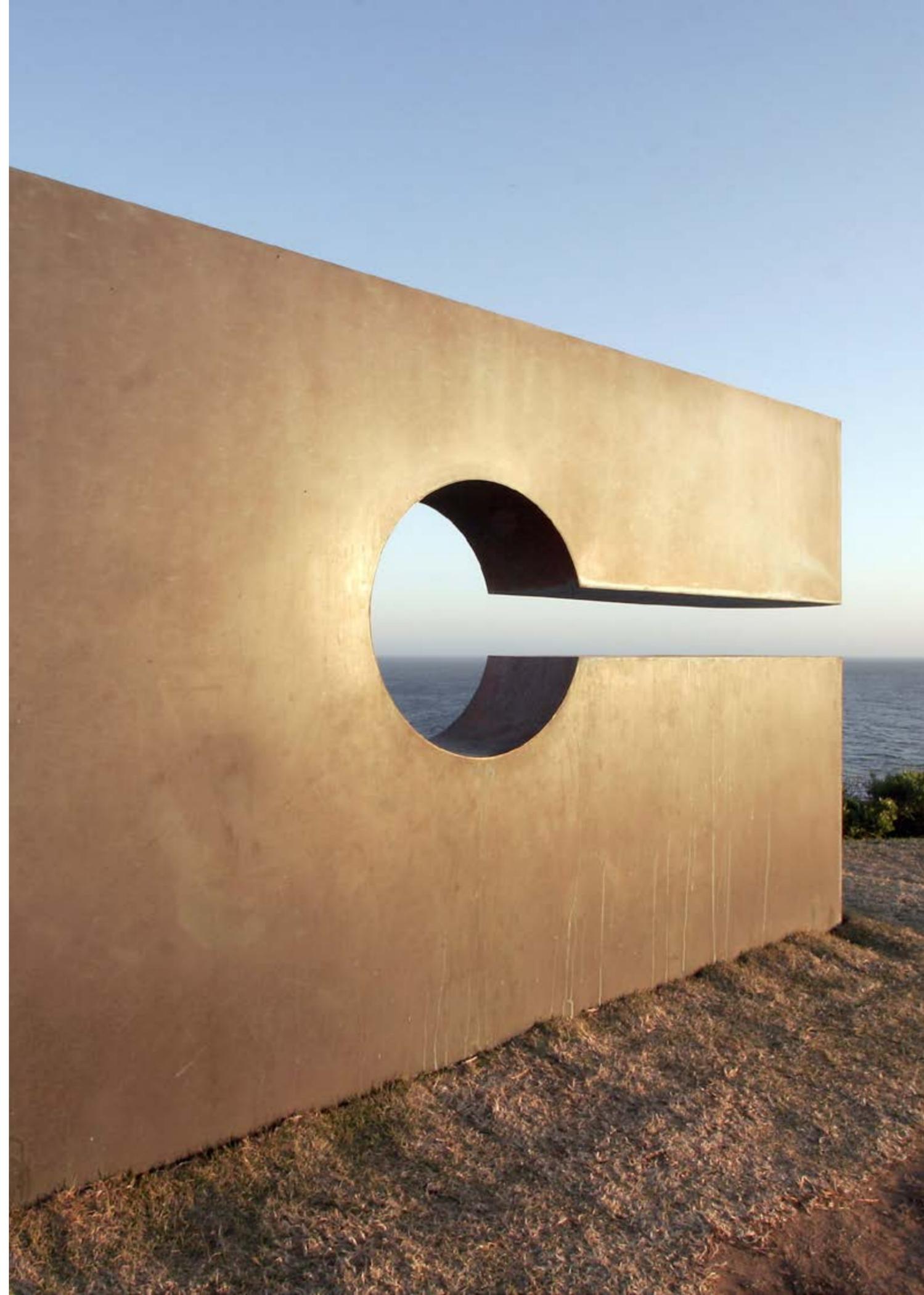
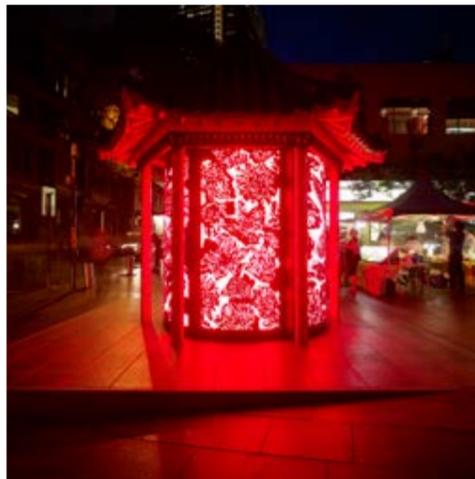


Sculpture



Art has been a major part of Axolotl since its inception. We have worked with some of Australia's best artists and sculptors, including Richard Goodwin, Colin Lancely, Janet Lawrence, Warren Langley, Terrence Plowright, Mark McClelland and Gaye Porter.

Sculpture, artwork and other decorative designs are elevated to a new level of creative resolution using Axolotl Metal. Accessible substrates such as clay, plaster, concrete and plastics can be moulded, cast or shaped and bonded to appear as though cast from solid metal.



Signage



Axolotl Metals are tailor-made for the signage industry providing numerous benefits. These include highly durable and weatherproof interior and exterior usage, lightweight substrates, and application to logos of any size or shape.

Projects of all scales are catered for ranging from individual lettering from as small as 20mm to towering skysigns on highrise buildings.



The possibilities are limitless, with more than 200 Axolotl Metal effects available, including embossing and/or debossing, company names and logos, street numbers and artworks.



Fit-outs

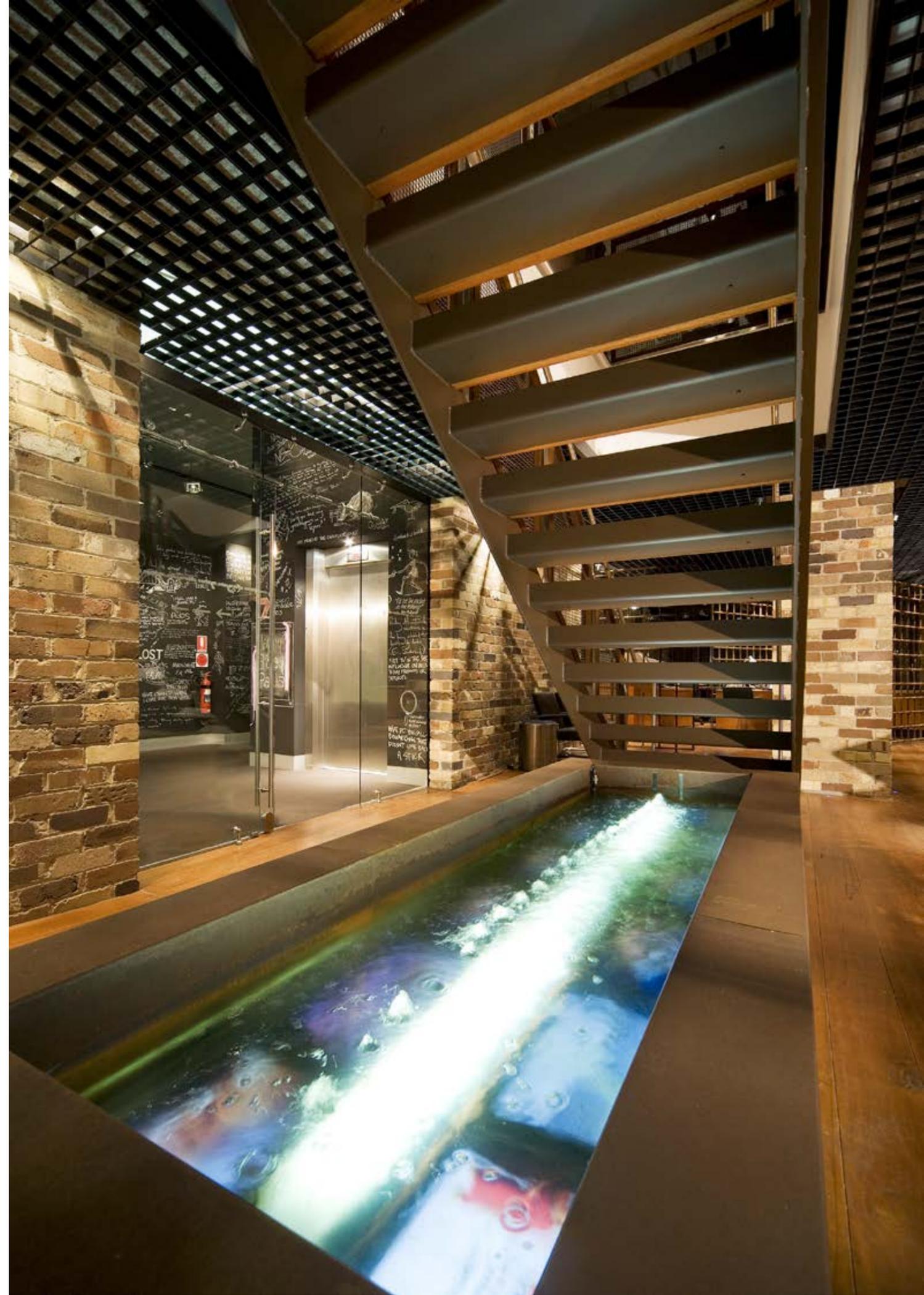
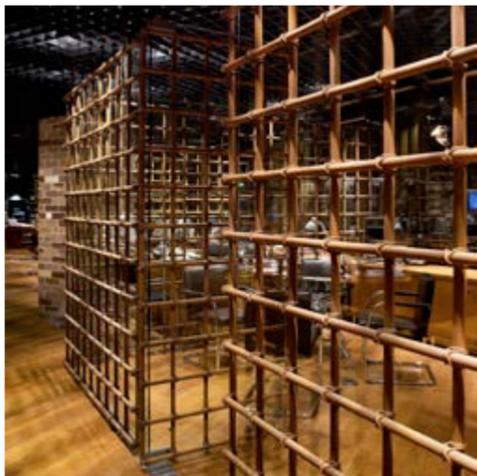


Incorporate striking elements bonded with Axolotl Metal to enhance any fit out be it in a residential, commercial, retail or hospitality project. Axolotl Metal opens up a host of possibilities that would otherwise be limited by size, cost or practicality.

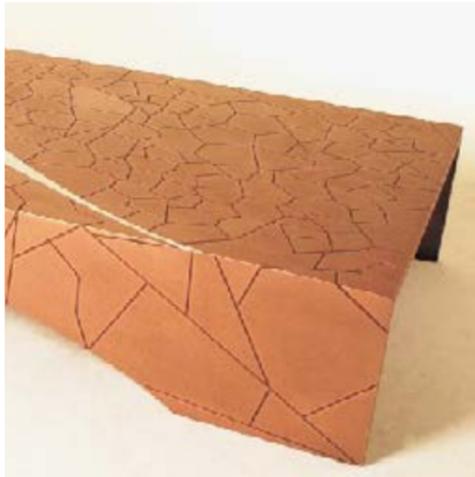
The versatility of the metals lends itself to any design element. Think stairs, ceilings, walls, floors, joinery, doors and screens just to name a few.



For fitouts spanning both interior and exterior spaces, a seamless transition can be created using Axolotl Metals as all metals are suitable for both indoor and outdoor use.



Furniture



The durable nature of Axolotl Metal makes it ideal for furniture of any kind including seating, table tops and bases, fireplace surrounds, cabinets and light fittings.

Pieces can be crafted from any material and expertly bonded or inlaid with Axolotl Metal facilitating ease of construction without compromising on style.

Choose from a vast palette of textures, metals, and patinas and combine with Axolotl's innovative carving or etching processes to create a truly unique and bespoke feature piece.



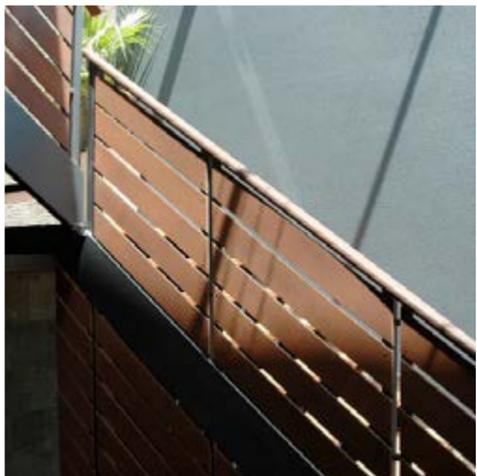
Balustrades



Axolotl Metal can be bonded to practically to any material suitable for a balustrade including mild steel, wrought iron, and stainless steel just to name a few.

Equally relevant on contemporary or traditional styles, Axolotl Metals can be bonded to all forms ranging from the lineal to the intricate.

Axolotl Metal is also deal for exterior balcony balustrading, tough enough to withstand weathering and leaching to create a stunning feature to any building.



Flooring



Branching out to cover all surfaces, Axolotl metals are available as a highly unique, unparalleled flooring solution.

Textured surfaces provide resistance to slippage whilst the durability of the metal makes it an ideal material underfoot. Combine a standard or bespoke texture with any Axolotl metal to create a distinctive feature surface.



Axolotl metal can be bonded to timber panelling to allow the wood grain to read through, creating a striking alternative to standard timber floorboards. CFC panels manufactured to virtually any size can be coated eliminating size restrictions and enabling a cohesive aesthetic.



Lifts doors and interiors



Achieve the appearance of solid metal without the restrictions of weight and cost. Axolotl Metals can be bonded to a light weight materials including MDF or aluminium adding only negligible weight.

Think lift doors, lift button panels, lift interiors including walls, ceiling, floors, in fact any lift or lift lobby surface. Signage can be carved or blasted to incorporate floor level, address or other design.



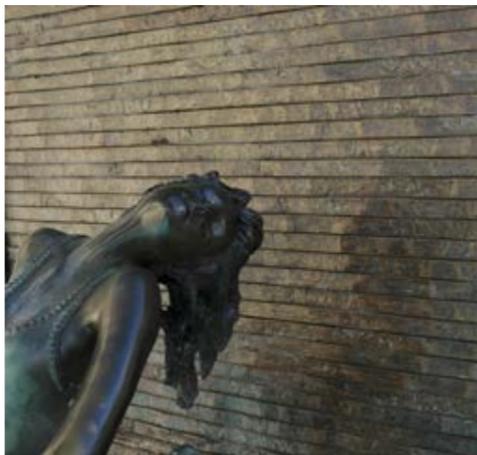
In terms of Lift doors, we require only the casing of the door for coating, and for lift interiors, a panel pre-cut to size allowing ease of installation and transport.



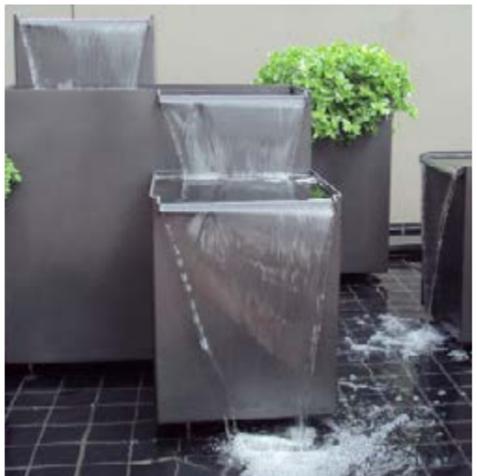
Garden Art



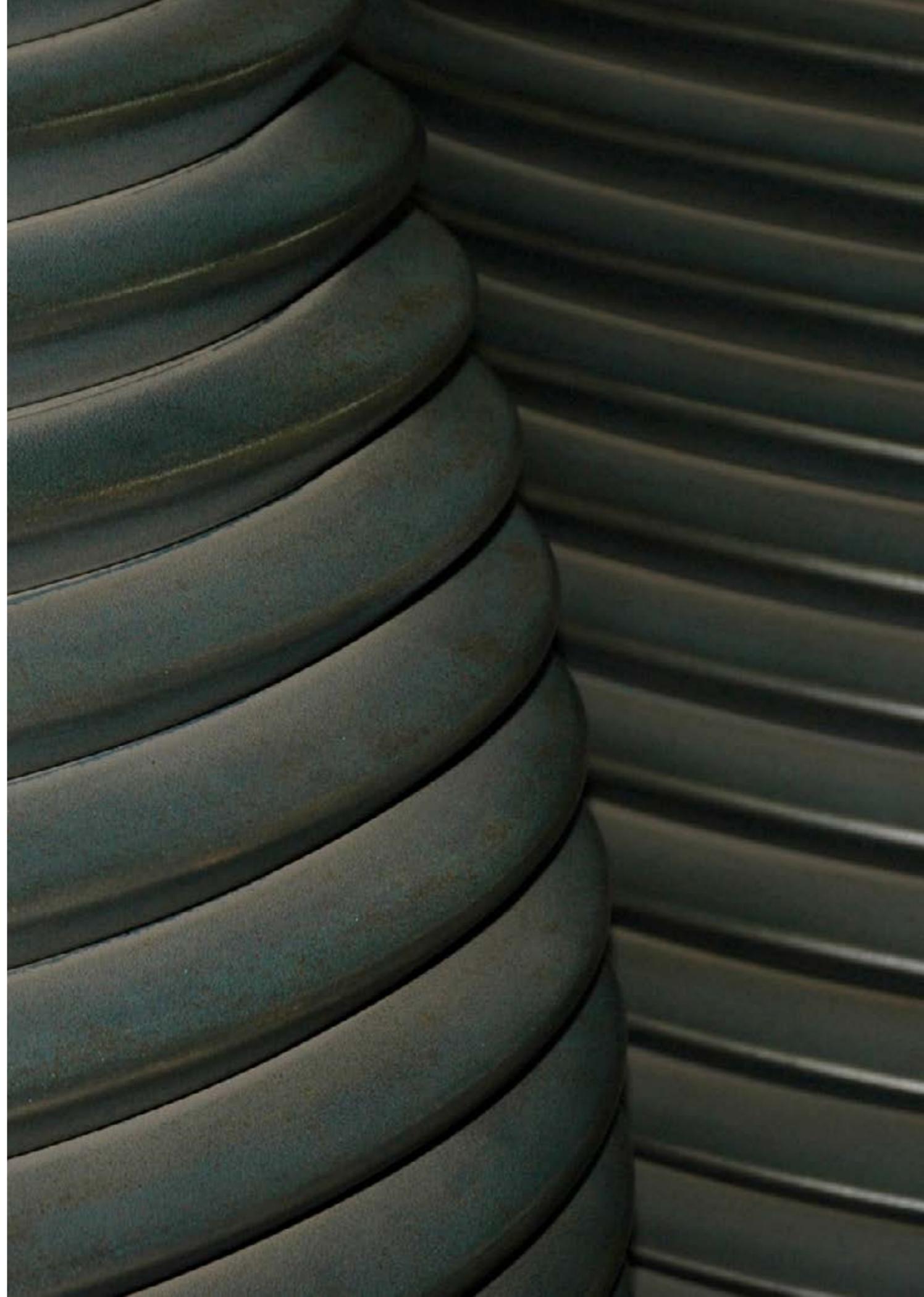
Outdoor spaces are an essential part of Australian lifestyle. Axolotl Metal features extensively in many beautifully designed courtyards, backyards and other open-air spaces. Exterior architectural elements such as bowls, planters, water features, sculptures, feature walls and screens bonded with Axolotl Metal make for a stunning feature.



Axolotl Metals are developed to withstand the harsh external elements of our climate. Axolotl Aged Metals are patina'ed to a point then frozen in time to prevent further aging or leaching.



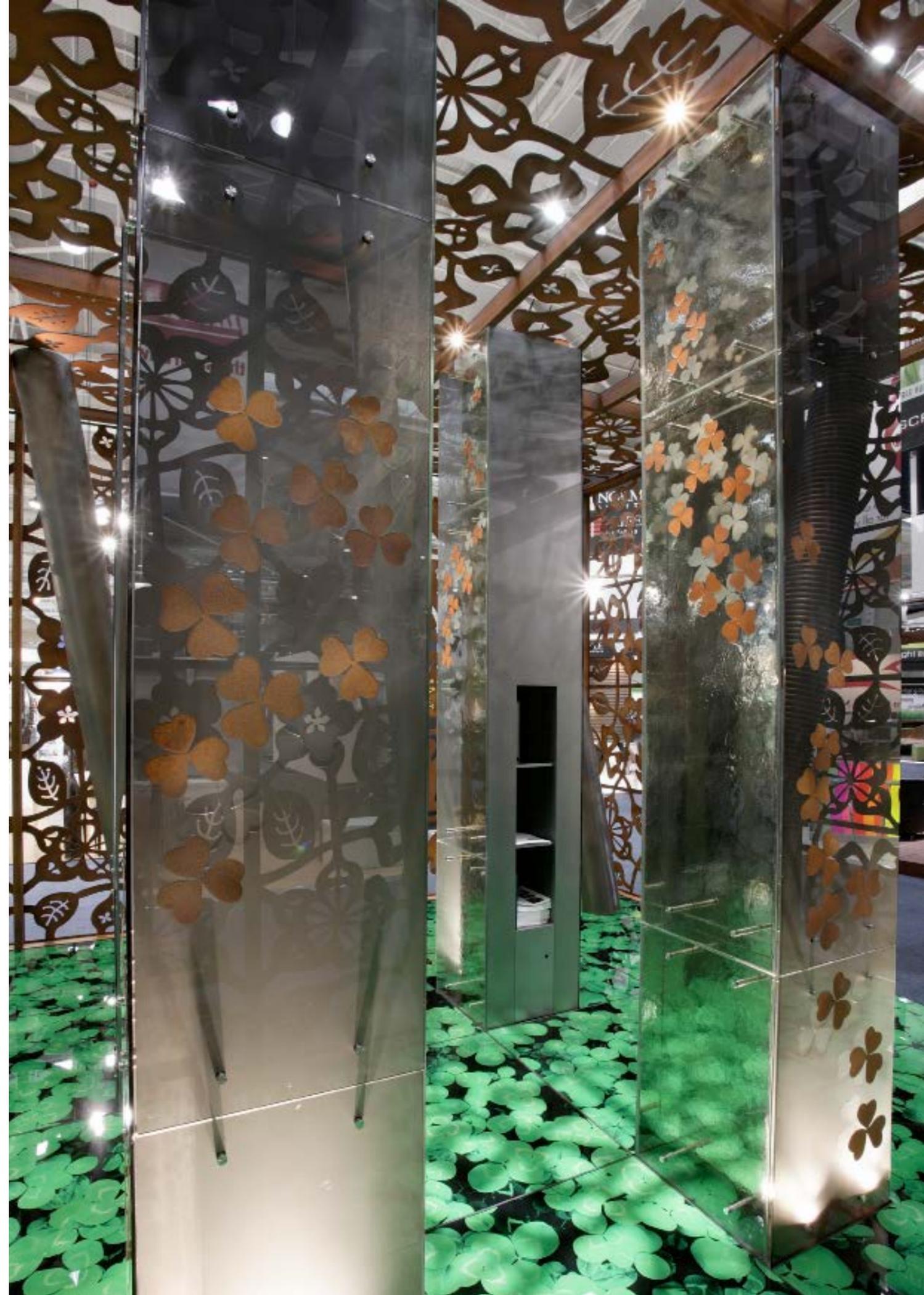
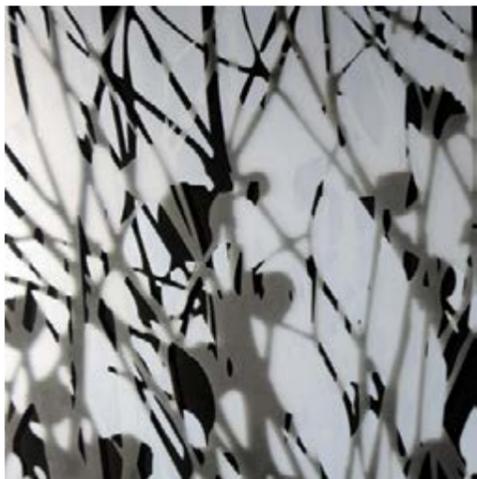
Axolotl Metal is equally pertinent whether it be a large scale rusted sculpture set amongst towering trees in a sprawling estate, or a tranquil water feature and row of planter boxes in Zinc or Bronze in a contemporary urban oasis. Luscious greenery set against Axolotl Metal creates a perfectly juxtaposed composition for any outdoor room.



Link



Link is a range of carved and blasted glass with an applied rust finish to one face. Link is available in a range of standard or custom patterns and the Rust coating is available in orange, brown or black. Link can be supplied on flat or formed textured glass with the front treated face matt blasted and rust coated, and the rear face carved or matt blasted to the selected pattern offering depth and tridimensionality.

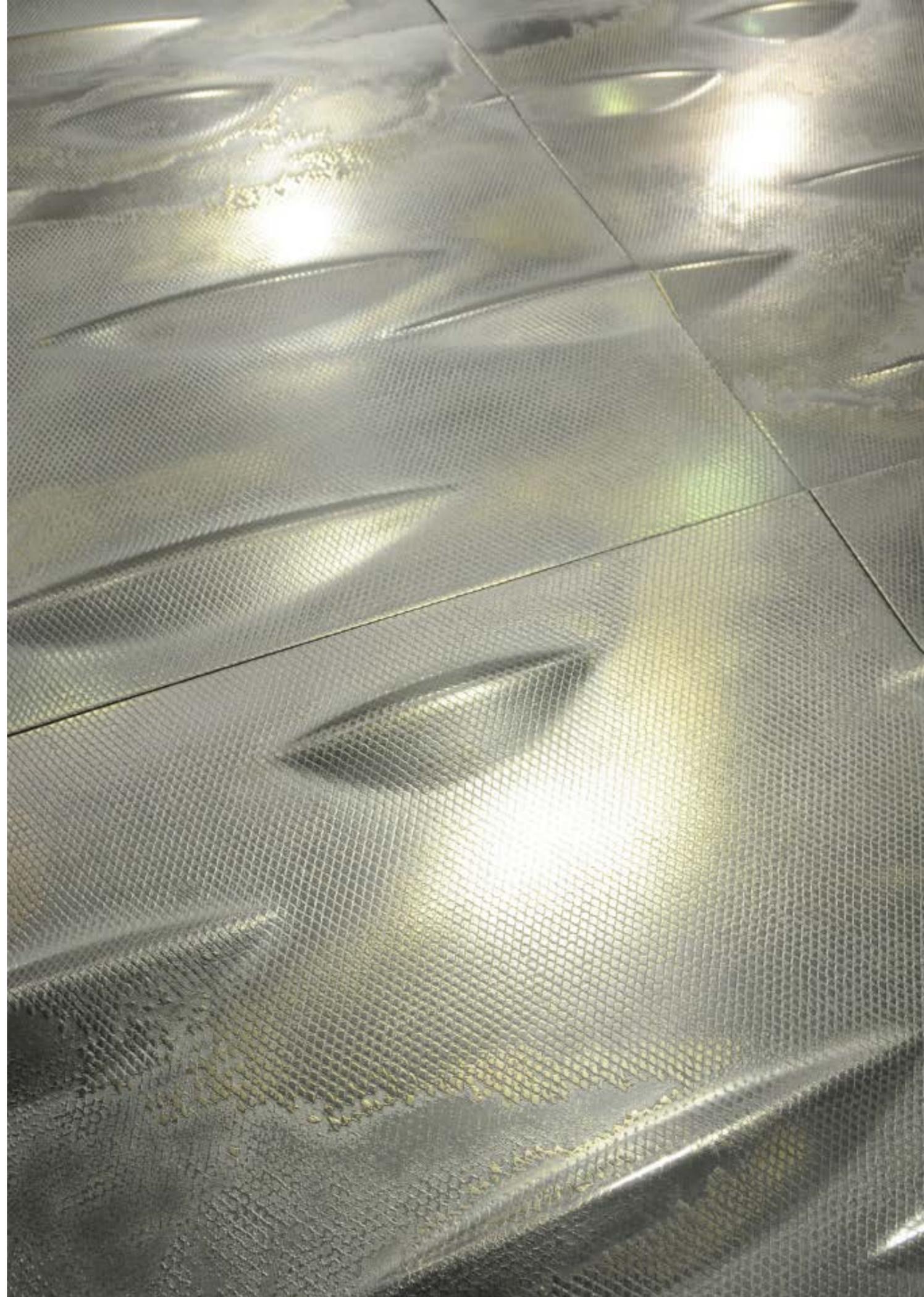
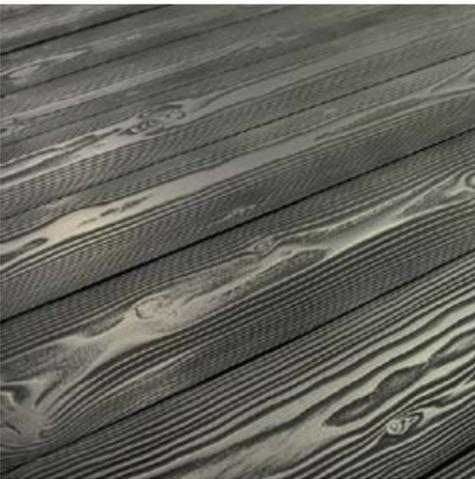


New Textures



Dedication to being the leaders in our field drives the intensive R & D and experimentation resulting in frequent updates to Axolotl Metal's colour and texture palettes. We pre-empt solutions to challenges yet to present themselves.

Recently taking inspiration from the natural elements, including reptile skin, wood grains even the surface of the moon - textures previously unimagined in metal have now been made a reality.



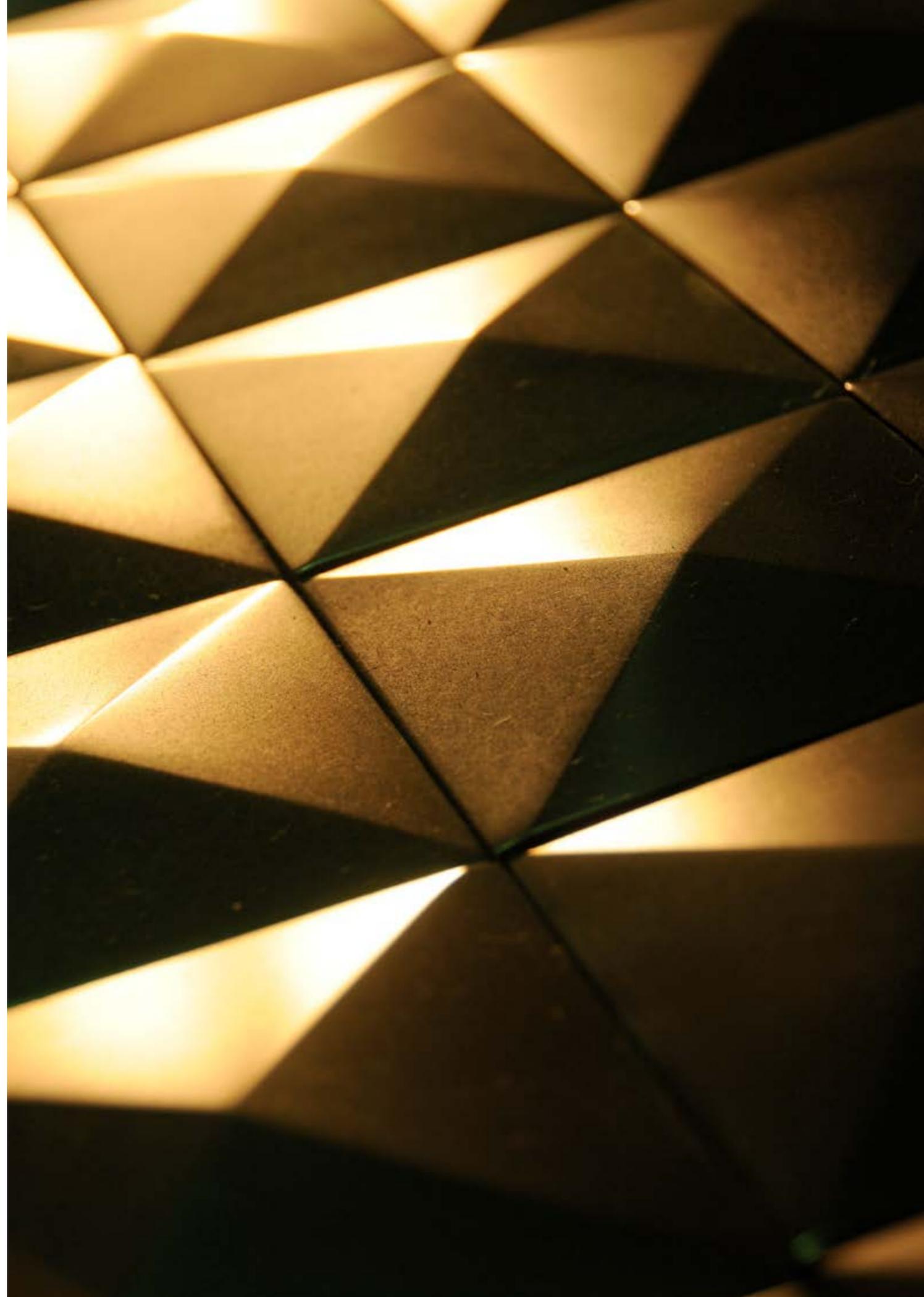
Up Close



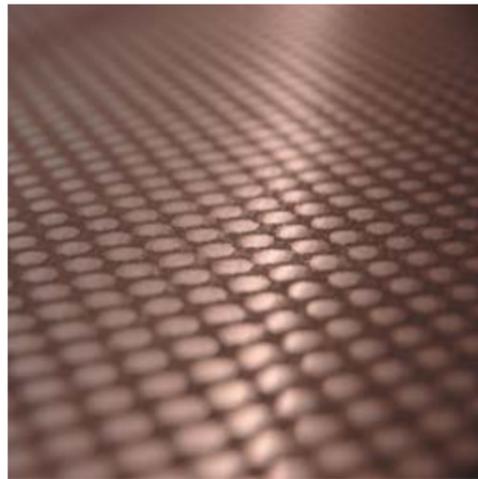
Simultaneously robust and delicate, Axolotl Metals are less than 1mm in thickness allowing fine and intricate details of any substrate to read through the surface. Complex elements of a design, often lost in translation when manufactured, are enhanced through reflection and play of light on an Axolotl Metal surface.



Effects including embossing, debossing, carving, etching, lasercutting, and inlaying are just a few of the possibilities available. We strive to push the boundaries and through collaboration of designer and manufacturer, anticipate enhancing our product further with your ideas.



Metal Samples

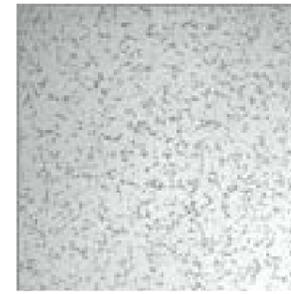


The samples pictured feature only a small selection of what can be achieved with Axolotl Metal.

Once Axolotl Metal is applied to a substrate it can be manipulated as if solid. Metal can be sandblasted, engraved, burnished and finished and a multitude of different textures and effects can be applied to create an individual statement from patinated, aged and rusty to the sleek and modern. Over 200 metals and alloys can be created.



Aluminium
Light Texture



Aluminium
Pitted



Aluminium
Smooth



Aluminium
Standard Texture



Black Rust



Brass Copper Florentine



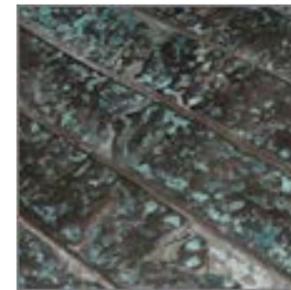
Brass Florentine
Linish



Brass Florentine
Pseudo Smooth



Brass
Smooth



Bronze Forge



Bronze Brown
Florentine



Bronze Florentine



Bronze Pearl
Light Texture



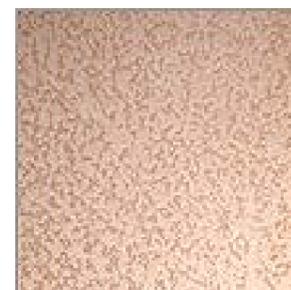
Bronze Florentine
Pitted



Bronze Pearl
Smooth



Bronze
Standard Patina



Copper
Light Texture



Copper Pearl



Copper
Smooth



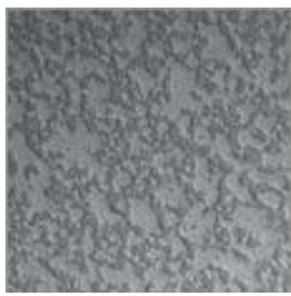
Copper Pearl
Smooth



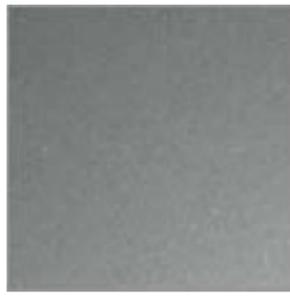
Golden Bronze Pearl



Bronze Viper Patina



Graphite
Light Texture



Graphite
Smooth Texture



Anthra Zinc



Bronze Westpac
Florentine



Copper Viper



Bronze Brown Florentine



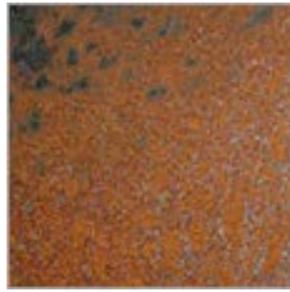
Anthra Zinc



HBP patina



Majestic Rust



Marine Rust



Brown Rust



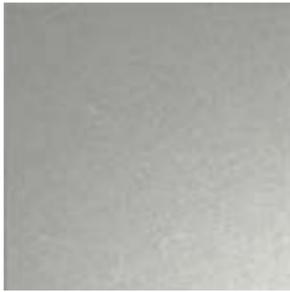
Zinc Sodium



Bronze Smooth



Aluminium Soft Burnish



Nickle
Smooth



Rose Alloy - Smooth



Copper Pearl Patina



Orange Rust & Iron



Rust Viper



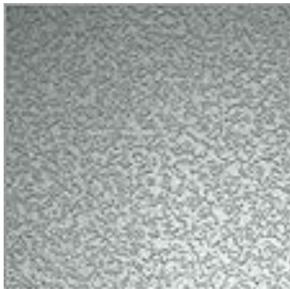
Aluminium Patina



Brass Antique Standard



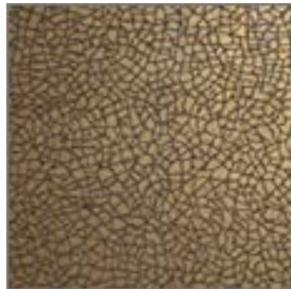
Copper Florentine



Pewter
Light Texture



Pewter
Smooth



Brass
Rhino Texture



Copper Verdi Gris Patina



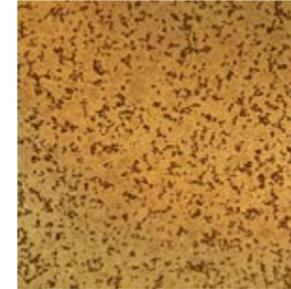
Sentinal Copper Smooth



Bronze Scales



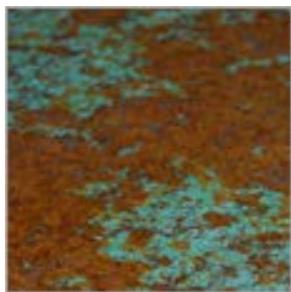
Treasury Bronze Smooth



Bronze Pitted Pearl



Shot Rust



Rust Patina



Bronze Graphite Viper



Stainless Steel
Smooth



Bronze Florentine 2



Pewter Lunar



Bronze Pitted



Rust Patina

Beware of Imitations

Why you should choose Axolotl Metal

Axolotl is committed to supplying the best quality semi precious metal and rust coatings in the world. Axolotl pioneered the cold metal coating process and continues to be the market leader in R & D, service and quality product.

Product Performance – Axolotl have conducted exhaustive tests on its metals, both in-house and with the assistance of the *CSIRO*. To ensure the ultimate performance in all situations, it has tested accelerated aging, chemical resistance, foot traffic, ignitability, flame propagation, and heat and smoke release. There is no better tested metal finish in the market that also complies with Australian standards.

Industry Leadership – The staff at Axolotl have a combined 50 years experience in construction and design. The owners of Axolotl have the most experience of metal application in the world. Axolotl only employs the most experienced artisans, industrial designers and draftsmen giving you the confidence that the company can work with even the most detailed plans. Axolotl is committed to staying at the forefront of computer programming and currently utilises CAD, Photoshop, Illustrator, CorelDraw and InDesign, amongst others.

State of the Art Premises – Located only 12 minutes from the CBD or the airport, the 22,000 square feet factory is as convenient as it is substantial. With bespoke engineering and the ability to complete the entire job on its premises, Axolotl have completed the largest jobs ever undertaken in this market. The showroom has an extensive display of Axolotl Metal applied to doors, signage and feature walls, including the awarded 'Signature Series' of architect designed doors.

Service from start to finish – Axolotl has the creative vision and engineering brainpower to make any job happen and the experience and personal pride to keep the 'job open' beyond final delivery.

Warranty – Axolotl offer an extended warranty on all its coatings and having successfully completed thousands of projects around the world, and with fifteen years of operation, you have the confidence that Axolotl will be around to honour it.

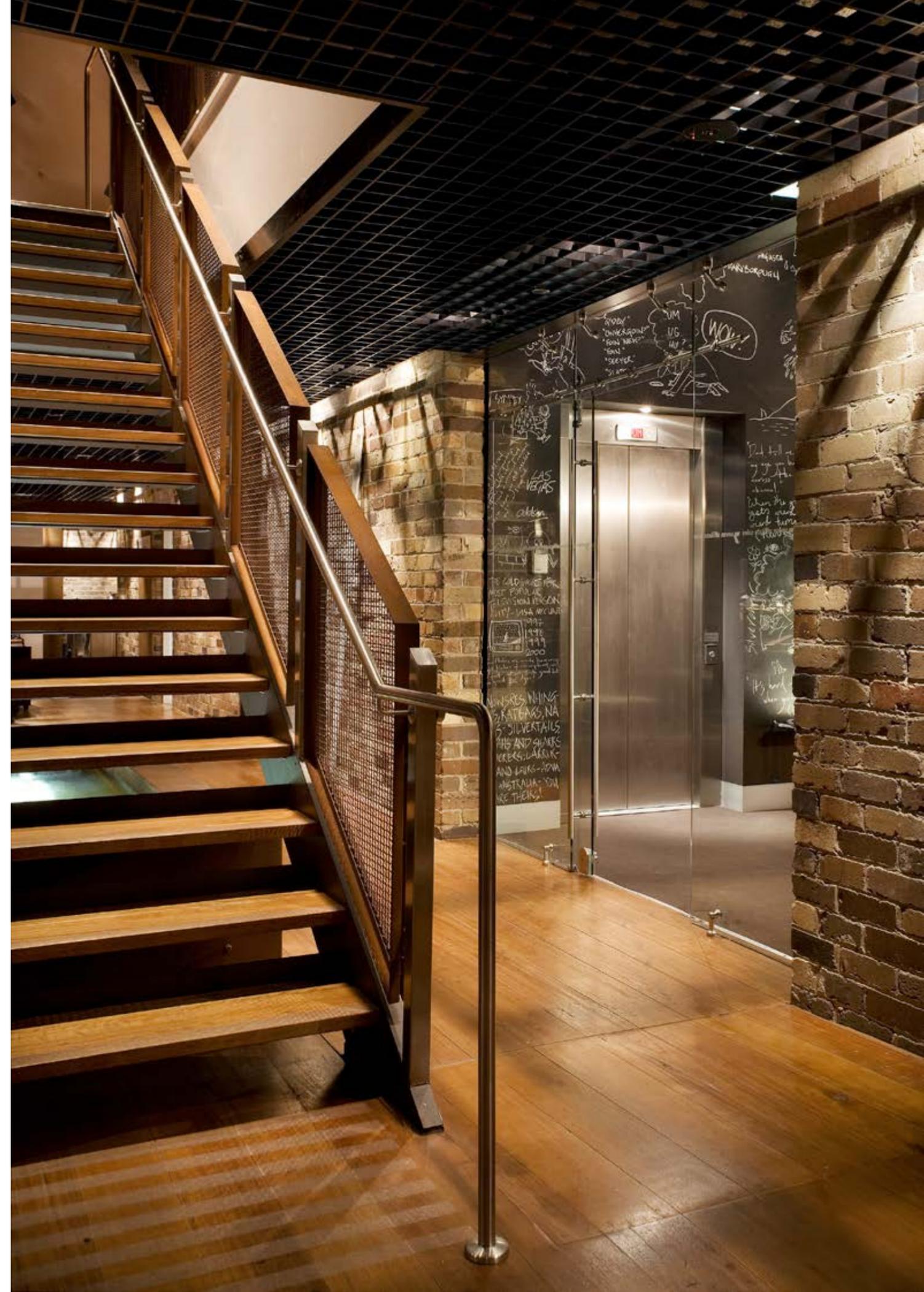
Bespoke – Axolotl currently have over 200 different metals and effects and are constantly redefining what can be achieved in metal design.

Australian Born, Global Presence – Axolotl currently operate from 15 factories in 12 countries. Its metals have endured the freezing temperatures of South Korea and Russia to the unforgiving heat and humidity of the Middle East, and can be viewed within iconic buildings worldwide.

Environmentally Progressive – Axolotl metals are applied as a veneer and use significantly less metal and less power than the traditional cast or sheet metal process. It is far cleaner with much reduced pollution created through production. Axolotl only uses 100% recycled metals.

Award Winning – Axolotl has constantly received recognition from the design and technology community. It was selected in the **Australian Technology Showcase**, a government scheme to highlight the best of Australian technologies throughout Australia and the world, and were voted **Material of Excellence** and selected for inclusion into the material archive by New York's prestigious **Material ConneXion Resource Library**.

More than Metal – The Axolotl Group of companies now offers everything from semi precious metal application, architectural glass in all its forms and unique external façade systems. With the ability to mould and sculpt in a wide variety of materials, virtually no creative dream is beyond its capabilities.



SPECIFICATION DATA SHEET

Product Description

Axolotl Metal is a liquid application, which utilizes real metals and is applied to form a veneer on a variety of building materials of varying shape and size. Axolotl Metals of copper, bronze, brass, aluminium and stainless steel have been developed to bond to substrates such as customwood, steel, plaster, polyurethane foam and fiberglass without causing heat damage to the substrate. Axolotl Metal surfacing provides a joint free metal veneer that looks and performs just like solid metal. Architects and designers using Axolotl Metals can select from a wide range of metal finishes from finely polished to textured aged looks. Final appearances can be further varied by metal choice, creating a patina, burnishing, inlaying and mixing metal colours to create specialized alloys. Typical applications of Axolotl Metals have included shop fronts and shop fit-outs, corporate furniture, and signage, lift interiors, relief paneling and sculpted pieces.

Test Results

Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release CSIRO and NATA tested in accordance with Australian Standard 1530.3-1989, Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release.

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
0	0	0	1

Accelerated Weathering Tests

The Axolotl Metal has undergone Accelerated Weathering tests of 2445 hours, equivalent of 12 years and shows no film breakdown and only slight black surface oxidization that would be found in solid metals. The surface oxidization can be removed with light scouring with steel wool. Under cyclic heat - rain and humidity, no form of film degradation is apparent for any of the system.

Household Chemical Resistance

Axolotl Metal has undergone 8 hrs concentrated exposure to common household cleansers all recording no effect to the Axolotl coat.

Foot Traffic

Axolotl Metal recorded no sign of wear to the metal after six months of low to medium traffic. Slight to medium scratch marks were recorded from hard abrasive objects, common to cast and sheet metal.

Durability

The physical and chemical tests indicate the coatings have excellent impact resistance, high water pressure washing and very good chemical resistance to the more popular household cleansers.

Maintenance

Clean Axolotl Metal surfaces with warm water and mild detergents only. Never use any thinners, caustics or powder cleansers. Solvent resistance for removal of graffiti is very good with the application of the Axolotl topcoat, however consultation with Axolotl is advised regarding the use of these products for cleaning.

General Surface Preparation

Surfaces to be finished must be in their raw state, i.e. no paint, varnishes etc. and must be dry and

free of oils, rust or scale. Surfaces should also be kept clean and free from any contaminants that could affect the metal. Use fillers recommended below for particular materials. Do not use oil-based putties or fillers.

Imperfections in surfaces caused by jointing, fixings and mechanical damage will copy into the finished surface unless carefully repaired.

Axolotl metals will penetrate into fixing holes, which should have adequate clearance or be redrilled after the metal is applied. Components should be sized to allow for the thickness of the metal, approx 0.5 -1 mm. Axolotl Metals must be applied prior to any adjacent areas being treated. Indicate those areas that are to receive specialized masking.

As Axolotl Metal is applied by hand, the completed surface cannot be entirely uniform. These small irregularities add to the natural and authentic appearance of the metal.

Requirements for Particular Materials

Sheet metal - Surfaces must be clean and primed with a specified metal primer supplied and/or applied by Axolotl to achieve a satisfactory bond. The minimum thickness recommended for the metal substrate is approximately 2mm. Painted metal surfaces are not suitable for Axolotl Metal, yet they can be sanded back to the raw substrate and coated.

Steel - Welded steel structures can be coated with Axolotl Metal however; once components have been metal coated they cannot be welded without causing damage to the metal. A metal primer supplied and/or applied by Axolotl must be applied prior to our metals being applied.

Customwood - Use MDF Customwood of 9mm thickness or greater to prevent warpage. Screw and glue all joints, and use solvent to wipe off any excess glue. Fill all cracks, holes, imperfections etc. with Polyfiller or Auto Body Filler and sand to a level surface. Radius all sharp and square edges to a minimum of 1mm.

Masonry, Concrete and Plaster Cast - Pieces should be produced from moulds free of oil and release agents. Fill all imperfections with Polyfiller or casting plaster and radius all sharp points and edges to a minimum of 1mm. It is not recommended that plaster pieces be used externally.

Polystyrene - Lightly sand using 120-grade sandpaper. Imperfections in the polyurethane may read into the finish. A light screed of plaster may be required.

Fiberglass - Wash down surfaces with acetone then sand to a non-glossy surface using 120-grade sandpaper.

Plastics - Surface should be heavily scoured or sanded to obtain greater bonding.

Aging

Patina can be added to the copper, bronze and brass metals which will continue to grow on the metal over time. It can be easily cleaned off with very fine steel wool. If preferred, the surface can be treated by Axolotl to stop further growth. The patina is unsuitable for floors, as it cannot be sealed.

Rust can be added to any of the metals, however, unlike patina, it will not increase over time, as our metals are non-ferrous.

Both the rust and patina are easily controlled and can be applied wherever the client requires it.

iron	treasury bronze	copper	bronze	stainless steel	rust brown	brass	aluminium	pewter	
Fe	Dg	Cu	Db	Ss	Rb	Br	Al	Pw	A



6/73 Beauchamp Rd
 Matraville 2036
 NSW, Australia
 ABN 98 000 377 686

+ 612 9666 1207
 + 612 9666 1210
 @ info@axolotl.com.au
 www.axolotl.com.au