



 Axolotl



Axolotl TERRACOTTA

Axolotl Terracotta re-invents the traditional building material to be more cost and production effective, without losing any of its aesthetic beauty.

For 19 years Axolotl has been the pioneer of innovative and creative metal, concrete, glass and timber products. Axolotl's range of materials can be used individually or combined in a multitude of ways to offer infinite possibilities in design.

Axolotl prides itself on its ability to innovate and develop surface effects customised to individual projects. It's range is a unique source of inspiration for architects and designers around the world.

Our reputation rests on a driven commitment to quality craftsmanship, pre-empting trends, responding to client needs and preparedness to customise our approach for individual clients.

Terracotta has long been a part of our built environment as a beautiful and timeless building product. Now Axolotl Terracotta reinvents this classic beauty to be more cost and production effective, without losing any of its aesthetic qualities.

Utilising Axolotl's proprietary bonding process, we can replicate the natural aesthetic of terracotta perfectly, while making it simpler and more cost effective.

Axolotl Terracotta retains the integrity of natural terracotta with variance in texture and colour. The unique coating process enables Axolotl Terracotta

to be utilised in situations never before considered possible in design.

Axolotl Terracotta coating is 0.5mm thick and can be applied to virtually any solid surface of any size or shape giving the object the appearance of solid terracotta without any of the associated restrictive issues.

Axolotl's proprietary technology is a world first, enabling terracotta to be applied to embossed or debossed surfaces, etched or patterned with various textures.

Axolotl Terracotta can be used for internal and external applications and is available in a range of colours.

Unlimited design possibilities

Axolotl Terracotta can be applied to virtually any substrate material of any shape or form. Patterns and textures can be carved into the substrate then coated, or imprinted onto the surface of the terracotta creating an unconventional juxtaposition of fine modern detail in what is a traditional material.

Application opportunities are endless ranging from facades, louvres, feature walls, shop fit-outs, signage, lift interiors, relief panelling and sculpted pieces.



The coating is lightweight facilitating ease of construction and installation. Incorporating a terracotta aesthetic can be prohibitive in instances where it is either difficult, or even impossible, to install pre-cast terracotta objects, or to create large scale panels, due to associated limitations including access, weight, size, cost of installation and manufacturing times.

With Axolotl Terracotta, panels, objects and forms can be constructed offsite from any substrate including lightweight sustainable materials. The object is then coated in terracotta using Axolotl's proprietary technology to create the illusion of a solid terracotta object. The object is then complete and ready for easy installation, with minimal onsite construction work required.

Increased flexibility in application of terracotta

Axolotl Terracotta can be used for both internal and external applications. The increased flexibility in the application of terracotta opens up limitless possibilities for designers and architects which were previously impossible in solid terracotta, whether due to weight and functionality restrictions, or simply the limitations of the material itself.

New applications never before realised include but aren't limited to doors, garage doors, sculptural forms and joinery.

Reduced lead times

Axolotl Terracotta can be applied to substrates within tight lead times. Timing would be confirmed depending on the scale and quantity of units coated, but is generally 20 working days. Which is far quicker than the custom cast terracotta alternatives, which would include custom moulds, firing and finishing times.

Axolotl Terracotta can also be bonded onto readily available building products; with the ability to bond onto most metals, powder coated surfaces, CFC, there are a myriad of options for our clients.

Reduced costs

Along with short lead times, Axolotl Terracotta is coated in Australia minimising transport times and costs. The shipping times for other products to come in from overseas can take months if by sea; the most economical method, and can be very costly if using air freight.

If the product is specified for projects outside of Australia, lightweight substrates could be considered which would also help reduce shipping costs. Axolotl can also pass on the technology to complete works overseas.

As Axolotl Terracotta can be applied onto strong substrates such as aluminium there is minimised risk in damage. Solid terracotta alternatives would need to be replaced at the cost per unit.

Ease of installation; using specially designed building products such as the louvre systems in the Nan Tien project reduced the time required to install the panels. Axolotl Terracotta can be applied onto generic façade and louvre systems.

Environmentally progressive

The Axolotl coating process was developed with sustainability in mind.

Axolotl Terracotta does not require firing, or heavy machinery as used in a casting process, and can be applied onto sustainable substrates, limiting its environmental impact.

The quantity of raw materials required for 1 square metre of Axolotl Terracotta is just 1.5% of raw materials required for the same surface area of solid terracotta.

Using a lightweight sustainable substrate for construction, an item coated with Axolotl terracotta weighs up to 20 times less than a solid terracotta object of the same size reducing carbon emissions released in transport.

Solid terracotta objects have inherent shrinkage and limited strength resulting in breakages. This means that far more units would be required to fulfil a project when accounting for breakages. Axolotl terracotta has none of these implications as it can be applied onto strong substrates ideal for each individual project.





Axolotl Terracotta Vs Solid Terracotta

Axolotl Terracotta

- Cold spray application can follow complex shapes and profiles
- Coating can be bonded to most substrates including aluminium, stainless steel, CFC, fibreglass.
- Ability to mask off elements of blade to avoid coating mechanical parts
- Easy to install – can be coated onto existing building systems
- Customised textures and colours available with the opportunity to deboss or etch designs.
- No shrinkage – coverage is .5mm thick
- Available raw or sealed
- Ability to coat onto substrates with strength far superior to solid terracotta
- Batch variation can be controlled
- Lightweight
- Supplied in Australia
- Axolotl coatings come with a warranty and the substrates they are bonded onto also come with warranties from their suppliers for faults/breakages.
- No wastage
- Can be repaired – (recoated)

Solid Terracotta Louvres

- Set sizes available
- Manufactured in solid terracotta. Needs to be fitted with additional components/materials for installation
- Requires separate connections for mechanical parts
- Difficult to install due to inherent size variation, faults and brittle in nature
- Set colours and textures available.
- Shrinkage in terracotta causes large variation in sizes
- Generally supplied raw
- Brittle
- Strong batch variation
- Heavier substrate
- Supplied from Overseas
- No warranty provided for inherent breakages
- High level of wastage
- Can only be replaced

