

ARCHITECTURE & DESIGN



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Creative partner of architects and designers.

ALMECO offers wider range of coloured anodised aluminium surfaces for architecture and design.

There is an increasing number of objects that characterise the everyday environments in which the polished and anodised aluminium produced by the ALMECO GROUP, expresses itself. Its applications range from design to architecture, from furniture to accessories, from automotive to boating, from cosmetics to the electrical and electronics industries. The very same features of this product facilitate its use.

Lightweight, flexible, resistant, environmentally friendly and completely recyclable, aluminium exhibits exceptional durability over time. Its surface is homogeneous and free of iridescence, its colour is absolutely uniform and its chemical and mechanical properties are unique. The high quality of the product is combined with the widest range of colours, textures and thicknesses. Ductile, malleable, anti-static and

heat-resistant, it combines perfectly with other scratch-resistant materials. Easy to work, it adapts to various needs expressed by creativity, giving life to objects of great appeal thanks to its brightness. Thanks to ALMECO, a technical material such as aluminium acquires special aesthetic connotations. This results in surfaces that are adapted to the most different fields of application, giving value to designers' projects.



Colours and finishes

bxPRO

Surfaces that vibrate with light

*Satin or reflective, with textures of great material effect. **bxPRO** gives life to surfaces and objects that communicate originality and dynamism.*

The variety and range of **bxPRO** surface finishes is able to enhance buildings and interiors that are very different from each other, thanks to the different ways in which light dialogues with aluminium and makes it vibrate, giving it a particular materiality. **bxPRO** ranges from a bright and luminous

mirror finish to a satin or brushed finish, which softens the light, thus creating an almost diaphanous effect. The extraordinary workability of aluminium and a full range of oxide thickness allow the creation of an infinite range of applications. Observing the multiple light effects is fascinating.



bxDECOR

An infinite range of colours

Colour is becoming increasingly important in the creation of interior environments.

***bxDECOR** shows no limits to the imagination.*

Designers are constantly looking for materials that can reproduce the rich variety of colours found in nature but they also propose new ones that are capable of giving a touch of originality to their creations.

bxDECOR is the answer to both these needs, thanks to the infinite range of colours that are ever-changing and always in line with the most current design trends. The warm, earthy colours are paired with cool and metallic tones in a luminous rainbow. Its ability to replicate other metals is extraordinary: from titanium to steel, brass to copper, tin to bronze, silver to gold. A world of colours to be discovered.

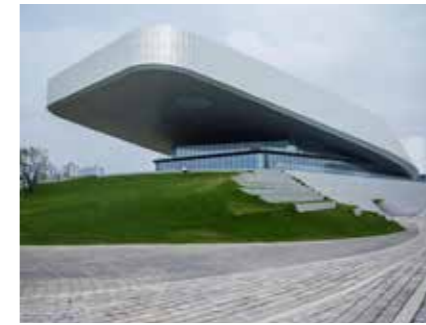


bxPRO

Combine great resistance and aesthetic

Totally sustainable, durable, resistant to atmospheric agents and corrosion phenomena, light and able to be formed as required, easily coupled with other supports and giving a highly contemporary technical appearance, the anodised aluminium of the ALMECO line for exterior architecture **bxPRO** is used on the

exterior of buildings for façades, cladding and roofing, thanks to a highly resistant anodizing layer up to 25 micron. They are available in different dimensions up to 2,000 mm with thicknesses up to 3 mm to support both the functionality of installation and the general appearance of the building.



bxPRO FACE

The ideal choice for architectural façades

The excellent control of the gloss level, the homogeneity of the colour, its resistance even in the most aggressive environments and the compactness of the oxide layer created in the anodising process make **bxPRO FACE** the ideal

choice for architectural façades. Available in natural colours and a full range of UV-resistant colours, it offers aesthetic solutions of great prestige and personality.



bxPRO BOND

The solution for aluminium composite panels

bxPRO BOND provides - in both exterior and interior applications - impressive decorative finishes. Non-combustible and corrosion-resistant, **bxPRO BOND** is suitable for all lamination applications. Thanks to the thickness of the anodic layer, the back side resists well the hot bonding process used in

the production of aluminium composite panels, where it is also used because of its light weight. Despite the thin thickness of the aluminium normally used for panels, the exposed surface offers excellent resistance to fading, corrosion, abrasion and breakage.

bxPRO PROFIL

The answer to profiling requirements

The flexibility of the oxide thickness in the continuous anodising process makes the anodised aluminium of the **bxPRO PROFIL** line ideal for profiling, while maintaining the advantages in terms of appearance, uniformity

or surface protection. **bxPRO PROFIL** can be used to make corrugated or profiled sheets or to create three-dimensional surfaces, even large ones, without requiring complex fastenings.



bxPRO TEK

Suitable for subsequent protective coatings

The anodised layer of the **bxPRO TEK** surface line can be used to provide additional functionality unrelated to corrosion resistance.

bxPRO TEK can be subjected to subsequent protective coatings. Its

versatility also makes it suitable for use to enhance the laser welding process of spacer bars in double-glazed windows or to give a purely aesthetic appearance to welded aluminium tubes.



HRC73A™

Combines innovation and sustainability

HRC73A™ is the world's first highly sustainable pre-anodised aluminium surface for architectural applications. It combines an alloy consisting of 90% recycled aluminium and ALMECO's innovative 'zero waste' anodising treatment, a

sophisticated purification system that allows the total re-use of process water, reducing its consumption by 90% compared to traditional processes. An innovative product, born from the collaboration between ALMECO and

Novelis, capable of providing, in line with the principles of sustainability and decarbonisation, a concrete response to design requirements that require high recycled content and low carbon emission.



TiNOX® outdoor

More efficiency, more comfort

TiNOX® outdoor is the first highly selective aluminium absorber surface that can be installed outdoors without any additional transparent cover. Its specially designed and patented coating structure combines

weather resistance with unprecedented thermal radiation losses, enabling significantly higher operating temperatures. In addition to the possibility of increasing the efficiency of existing solar ventilation systems on the

market to further improve the building climate, it enables new applications of solar heat to improve the energy performance of buildings.

bxDECOR

Your colour,
your surface

bxDECOR is the line of surfaces that were created to express a specific creative idea, in a unique way. Other tests give life to new and exclusive colours and textures which can fit with light and give shape to the designer's

original intuition, which first takes the form of prototypes and it is then completed in the industrial production.

bxDECOR: no limits to your imagination.



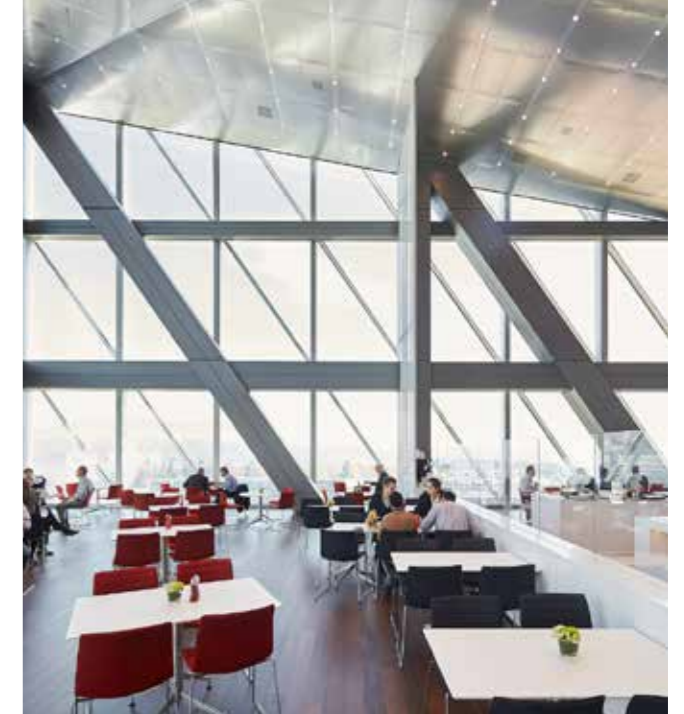
bx3D

Aluminium
becomes
three-
dimensional

bx3D is a collection of three-dimensional aluminium surfaces designed for application in architecture and interior design. The lightness, versatility and surface resistance of aluminium make bx3D ideal for wall and ceiling coverings

and interior decoration.

bx3D is available in a wide choice of surface finishes (from specular to textured), and of colours that, combined with the 3D patterns, allow for totally customised solutions of great scenic effect.



bxε

High
emissivity
and
lightness

The use of climate control panels is based on the principle of radiation. Cooling/heating coils are concealed behind the climate control panel, which functions as a heat exchanger guaranteeing comfort with a uniform temperature gradient. The climate control panel looks like a simple ceiling and can

also be used as a retrofit. For this particular application, Almeco has developed a special high emissivity anodised aluminium finish, used in the **bxε** range of products, which has a special reflectance spectrum determined by the oxide layer and its thickness.



The ALMECO service

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Alongside the specific needs of each client

*The customisation
of the product and
the service holds a
strategic value in the
decorative sector.*

Each production made with creativity must be able to appear as unique to best interpret the exclusivity of the idea of the person that designed it.

For this reason, the Almecco staff presents itself as a true partner of designers and companies to develop their original intuition, side by side.

The choice is extremely expansive, ranging from the wide selection of its surfaces that are ready-made to the creation of a product with completely new colours and materials. The production can be carried out directly at the Group's various factories, using the most appropriate technologies among

the many available to ensure the best results in terms of volume and quality. This guarantees a single point of contact that manages the entire process and keeps costs and timing under control.

Another advantage is the maximum customisation of the service.

The most advanced and efficient criteria of the supply chain allow the customer to have material ready to stock at each of the company's five headquarters and in the more than 60 partners around the world.

This proximity ensures extremely short response times, as well as a profound harmony with the tastes of fashion and design of each local market.



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