



Alucoil[®]

Grupo Alibérico

**ADVANTAGES of
ALUMINIUM for FAÇADE CLADDING**

www.alucoil.com

Aluminium composite panels are gaining ground as one of the materials most highly regarded by professionals, so they are seeing more and more use in cladding façades, in both new builds and restorations.

Advantages of aluminium compared to other materials: ECOLOGICAL, VERSATILE AND EASY TO INSTALL



Architecture studios and façade engineering firms have a range of materials they can turn to for the envelope. It is sometimes merely aesthetics that take priority in the decision and it is important not to lose sight of other aspects that are at least just as significant.

Aluminium panels have a number of characteristics that make them a building material with superior performance compared to HPL (High Pressure Laminate) panels:



- **The panels made are lighter**, and therefore easier to install. In an environment with increasing pressure on labour (specifically its shortage), designers must not skim over this matter.
- Aluminium is a **very durable material with easy maintenance**: it is simple to clean and generates less damp and bacteria proliferation than other materials. Now that build-to-rent and facility management contracts are becoming more widespread, building designers and owners must remember this cost.
- **It is very unlikely to break**, which is something that can happen with ceramic or fibre cement panels, along with the problems that arise from this, especially if these breakages are detected once the installation is complete, but the work has not yet been handed off.
- It presents a great **aesthetic uniformity** throughout all parts of the same material, even in the finest details: trims, joints, etc.

- It can be adapted to **any architectural needs**: large sheets, complicated shapes, perforated areas, unconventional angles or rounded corners, etc.
- It can take a **wide range of surface finishes**.
- It is **very uniform and flat**, for panels with an imperfection-free surface.
- **Reduced environmental impact**, aluminium's (almost endless) capacity for recycling is very well known.

WIDE RANGE OF SURFACES FINISHES



ALUCOIL[®] ALUMINIUM PANELS: **larson[®] FR & larson[®] A2**

At ALUCOIL[®] we specialise in the manufacture of high quality building materials. One of our star products is **the aluminium panel**, a material with excellent performance that can be used for the construction or renovation of ventilated or semi-ventilated façades.



We offer our customers a **wide range of composite panels**, under the brand **larson[®]**. We provide products with different qualities but with one common denominator: **all products are fully tested and certified to bring durability, flexibility and resistance** to façade cladding, making them suitable for any type of design and necessity.

larson[®] FR



larson[®] FR is a product for architectural façades made up of two 5005 aluminium alloy laminated sheets, joined by an FR MINERAL CORE.

Another of the most interesting characteristics of this panel is that it can be perforated, so it is possible to simulate all types of different effects: circles with different diameters, squares, rectangles, rhombuses, stars, etc. all combined in various sizes.

It is also notable for its simple maintenance and energy efficiency. Finally, it can be used in projects without significant budget appropriation.

HIGH QUALITY BUILDING MATERIALS

larson[®] A2

larson[®] A2 is the new composite panel for façades developed by the R&D department of ALUCOIL[®]. It is a panel with a mineral core specially developed to meet the strictest requirements of the current standards against fire: it has the A2-s1, d0 classification according to the Standard UNE EN-13501.

This panel was developed for use in countries where fire prevention standards are stricter. It is also particularly indicated for tall buildings with many floors and high transit levels: hospitals, airports, hotels, shopping malls, etc.

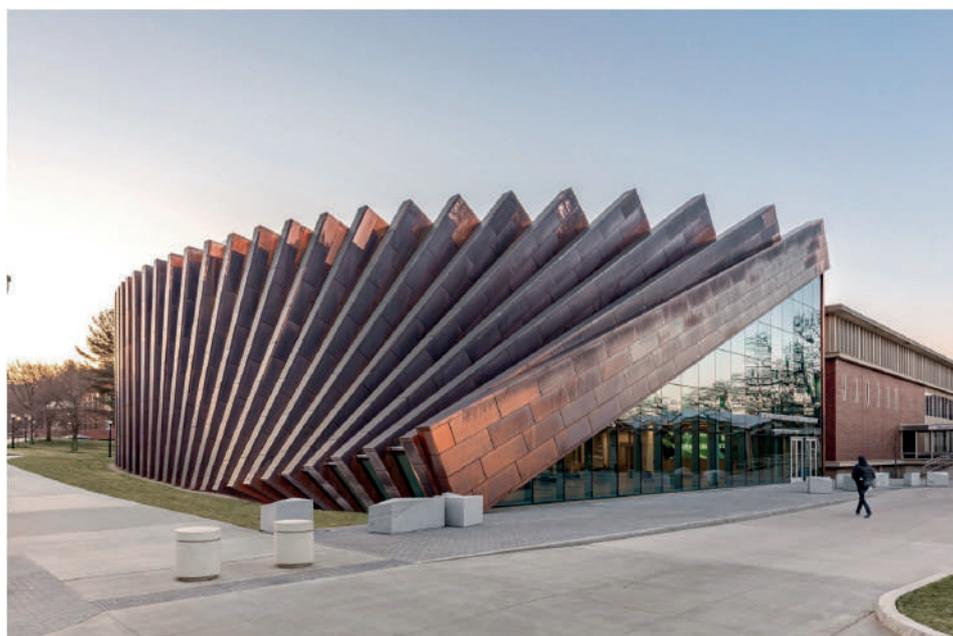
If as a designer you have all the creative advantages these panels offer and, on top of that, you can use a product with a fire classification as above, why not try a design with **larson[®] A2** in your next project?



The alternative **larson® METALS**

We also have the panels **larson® METALS**. Although this range includes different finishes, possibilities and variations, they all have the common denominator of having a very marked ecological component, as they do not undergo any treatments and are fully recyclable. In addition, they are very versatile with extraordinary durability.

larson® METALS is a range of panels made up of two sheets of different metals joined by a mineral core (FR or A2). With this product, ALUCOIL® takes a step further in its commitment to sustainability and respect for the environment, aesthetic innovation, versatility and the durability provided by noble metals, such as stainless steel, copper and zinc.



SUSTAINABILITY, INNOVATION & DURABILITY

If your project requires BREEAM, LEED, or Cradle to Cradle certifications, this product can be of great use to you.

Since our company began, a quarter century ago, at ALUCOIL® we manufacture premium-quality products, with a wide range of solutions, and we **are decidedly committed to innovation**, in the broadest sense of the concept.





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