

Five reasons to use aluminum in architectural applications



Friends Arena, Stockholm

It is everywhere around us: from the can which now stands next to your keyboard, to your home's window frame, without forgetting the super-light bike you just acquired...Its properties are such that it can be used in endless applications. There is one domain where the full potential of aluminum still needs to be unlocked: architecture and design. Durable and attractive, plain aluminum is a serious competitor to other building materials for construction and refurbishment of high-rise buildings.

Safety first

Stringent safety requirements are a top priority for architects, consultants, contractors and engineers. In contrast to other cladding solutions in which aluminum panels may be placed on either side of a core material. Furthermore, Aleris plain aluminum has an A1 European classification for fire safety.

Did you say anodized?

The process of anodization consists in the production of an oxide layer on the surface, and makes aluminum cladding resistant to UV, scratching and corrosion, while keeping its natural metallic look. Plain aluminum is therefore an ideal material for use in wall cladding, roofs, interior ceilings, balconies, pillars, sun ventilation screens and escalator casings. Used externally, it can withstand the test of time.

Unlimited creative potential

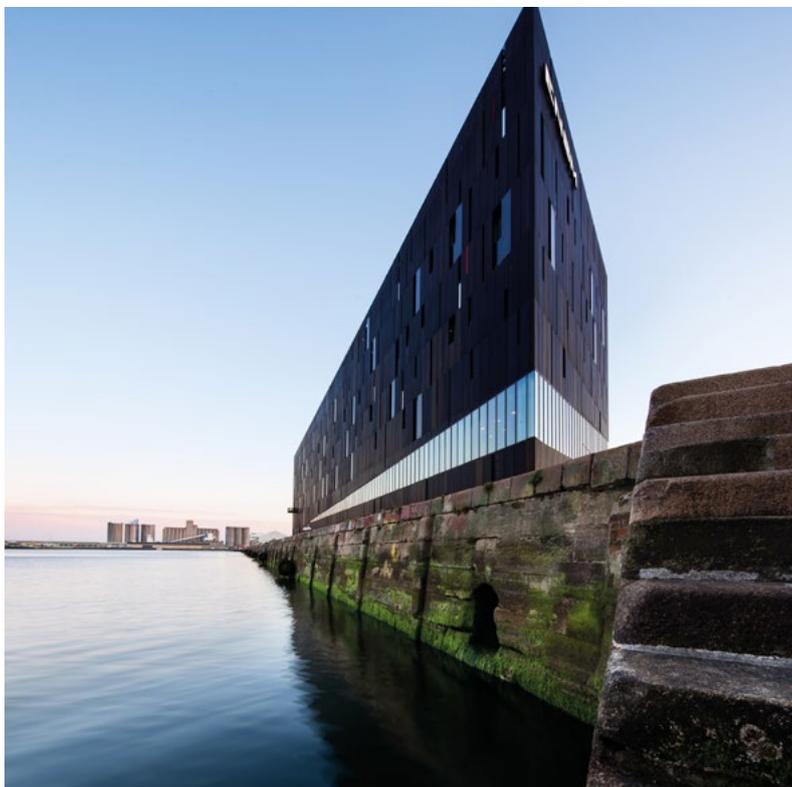
Aluminum is a material of choice for creative wall-cladding and can readily be shaped into custom designs. While it is easy to bend, aluminum also maintains strong mechanical properties, making it an ideal material for perforating, punching and expanding.

With aluminum, your wildest dreams can come true: we have some striking [examples](#) of its versatility.

Lighter, stronger, longer

While being lighter than most other building materials, it is nonetheless as solid. This makes for a long-lasting and greener material, easy to process. Anodized plain aluminum cladding is recyclable, making it part of the solution for reducing greenhouse gases and energy consumption. Since it can be recycled repeatedly without losing any of its quality, it is truly a green and long-lasting building material.

Plain aluminum is a serious competitor to other building materials for construction and refurbishment of high-rise buildings because of its **safety, durability** and **attractiveness**.



ENSM, France

Color uniformity as a bonus: our 55HX® major asset

When working on a building project, architects & designers are obviously interested in safe and resistant material, but also in material presenting certain aesthetic qualities. Color is one of those qualities: not only should it meet the original design's requirements, ideally it should be homogenous throughout the whole surface. From the design to the actual realization, with our natural anodized [aluminum 55HX®](#), architects can be reassured that the result will look exactly the way they imagined and remain the same for many years to come.

Aesthetic, resistant and light-weight, with high deformation properties, aluminum provides a modern look to buildings. What else do you need when you start a new building or renovation project?