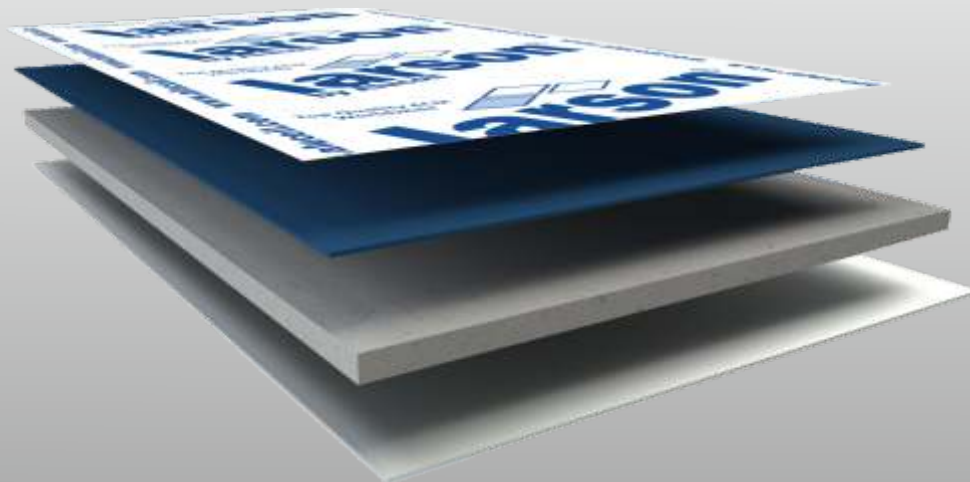




ALUMINUM COMPOSITE PANELS FOR ARCHITECTURAL ENVELOPES





Alucoil® North America is dedicated to the manufacturing of aluminum and metal composite material (MCM) for building and construction applications such as wall cladding, signage and corporate imaging design.

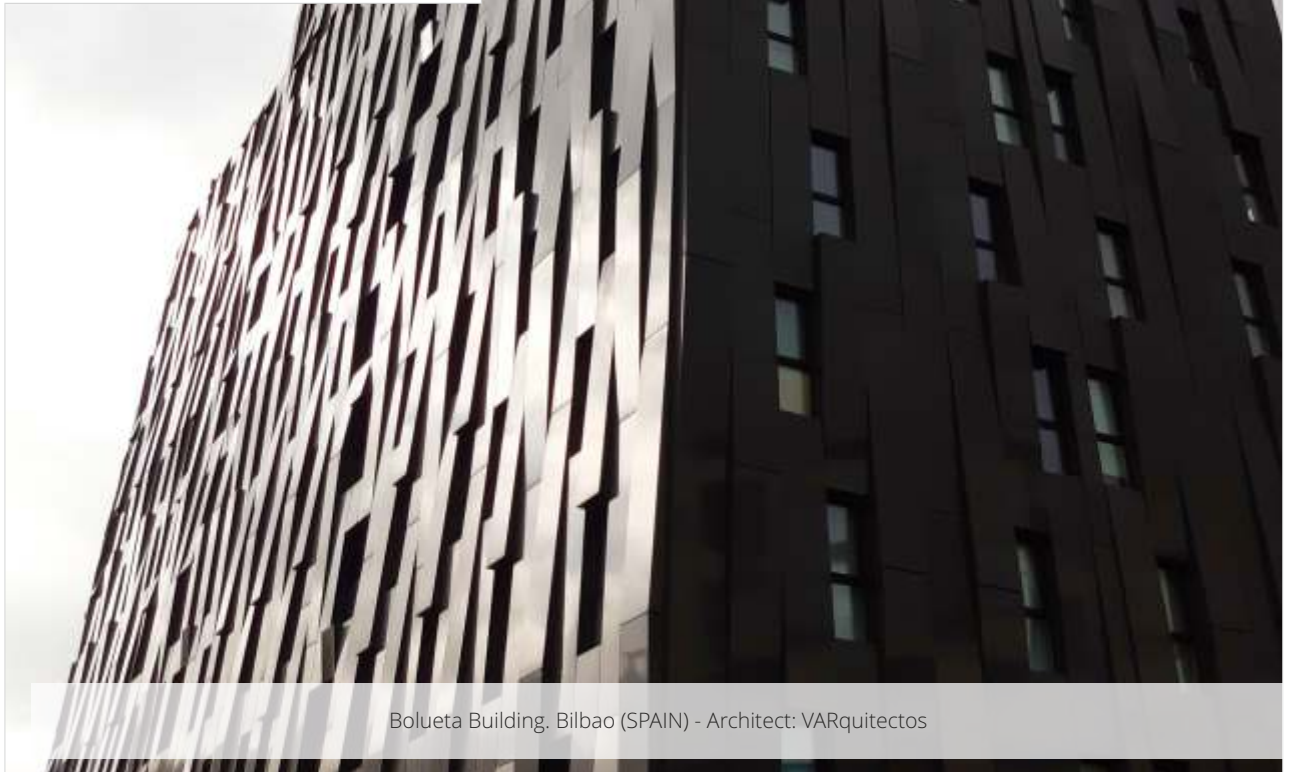
Located in Manning, South Carolina USA, it operates two continuous process manufacturing lines capable of producing fire retardant (FR) core panels. **larson® by Alucoil®**, proudly Made in South Carolina (USA).

It is part of the **Alucoil®** S.A.U. group of businesses - a top-tier manufacturer of high-tech aluminum products for building & construction, transportation, and industrial applications. As a manufacturer of MCM since 1997, over 100 million square feet of its **larson®** branded MCM has been prominently installed across the globe. It operates MCM manufacturing locations in Europe, Africa and North America.

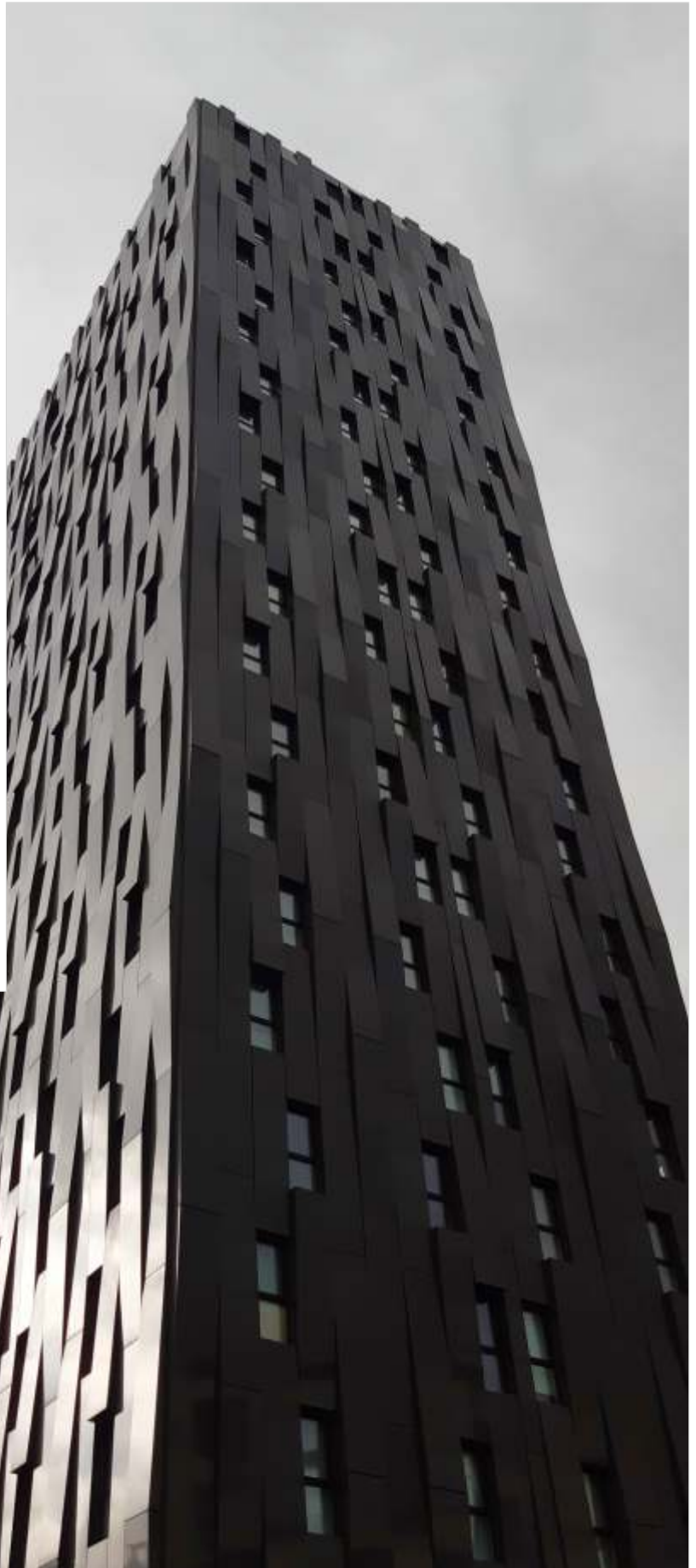


Manning, South Carolina (USA)

The highest Passivhaus in the world

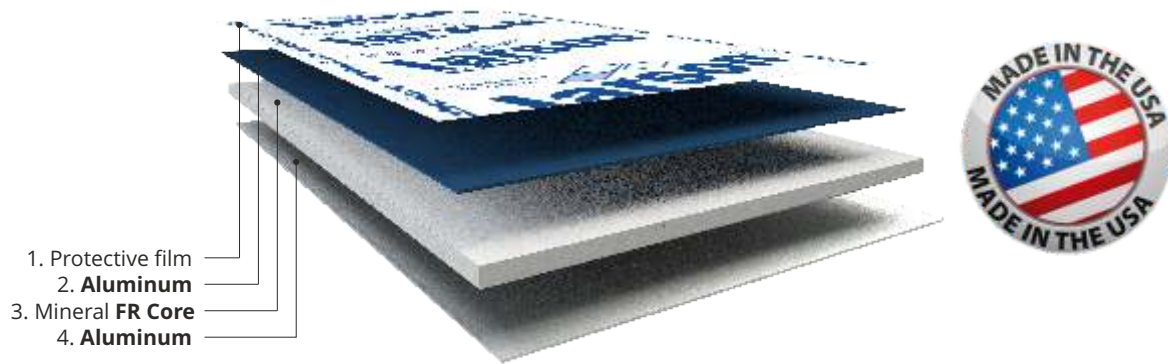


Bolqueta Building, Bilbao (SPAIN) - Architect: VARquitectos





ALUMINUM COMPOSITE PANELS FOR ARCHITECTURAL ENVELOPES



METAL COMPOSITE PANEL SOLUTIONS

larson® by Alucoil® FR. Aluminum Composite Material (ACM) panels are a fire-resistant wall cladding product for architectural building façades. It is a continuous process manufactured utilizing two coil coated aluminum sheets of 3000 or 5000 series alloy which are permanently bonded to a mineral filled fire retardant (FR) core.

Products are fully tested and certified per building codes in North America to standards including ASTM E119, ASTM E84, NFPA 285, CAN S101, CAN S102, and CAN S134. All manufacturing processes and raw materials are audited by a 3rd party verification laboratory of record.

MATCHING FLAT SHEET

Alucoil® globally offers 0.040 in. / 1 mm thick flat sheet in matching colors to all North American standard PVDF colors to allow easy integration of ACM with trim and coping.



STANDARD COLOR OFFERINGS

Iarson® by Alucoil® aluminum composite material is coil coated utilizing PVDF coatings. This kind of coating contains 70% of polyvinylidene fluoride (Kynar®500 and Hylar®5000 as main brands), which is known for its exceptional chemical stability and excellent resistance to ultraviolet radiation. It is used chiefly in the production and coating of equipment used in aggressive environments, and where high levels of mechanical and thermal resistance are required.

PVDF paint systems has been formulated to meet or exceed industry performance requisites such as AAMA 2605 – The use of PVDF paint system allows us to offer the maximum guarantees for each project.

15 STANDARD ARCHITECTURAL PVDF FINISHES (NORTH AMERICA)

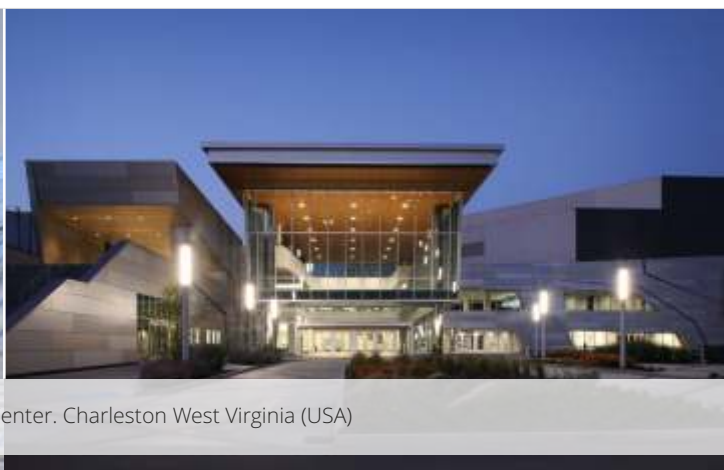
All standard colors are stocked in both painted coil and Fire Rated finished goods panels.

A GLOBAL ARCHITECTURAL PALLET OF 56 ADDITIONAL COLORS

With coil coating and composite panel operations in Europe, **Alucoil® North America** also offers an additional 56 standard architectural colors in 2 coat PVDF solid and metallic colors. Please inquire for details, minimum quantities, and lead times.



Rogers Place Arena Grand Villa Casino. Edmonton, Alberta (CANADA)



Charleston Coliseum & Convention Center. Charleston West Virginia (USA)



GROB Systems, Inc. Michigan (USA)



1400 Crystal Drive. Arlington, Virginia (USA)

A PRODUCT LINE FULL OF POSSIBILITIES COMPLIMENTARY SPECIALITY COMPOSITES

Alucoil® is uniquely positioned to supply specialty composite product and finishes worldwide including:

ILLUSIONS FINISHES RANGE:

1. HOLO FINISHES

The survival of any species is very related to the capacity to adapt to the environment. **Alucoil®** has been inspired by the ease of chameleons to change their image to create this range of Holo finishes, where a finish becomes two and even three different colours depending on how the light affects the façade.

EYESIGHT DIFFERENT #changecolours #iridescent

2. ALUNATURAL FINISHES

Because sometimes there is no better finish than the one given by our surroundings, the range of Alunatural finishes offer different types of reflection, sharpness and even colours depending on the desired target.

REALITY EFFECT #reflectioncolours #sharpnesscolours

3. ANODIZED LOOK FINISHES

To anodize is to protect, but also to beautify the aluminium. **Alucoil®** has a wide portfolio of finishes that match anodized finishes, keeping the folding and curving properties of composite panels. There are no limits to elegance.

ELEGANCE IN THE DESIGN #nolimitstoelegance #protectcolors

4. TEXTURED & DESIGN FINISHES

Why be satisfied with any kind of finish if we can match the desired texture with the maximum coating quality?.

The range of customized colours mimics the touch of ceramics, the oxide of metals, the texture of basalt all with the durability and lightweight qualities of a composite panel.

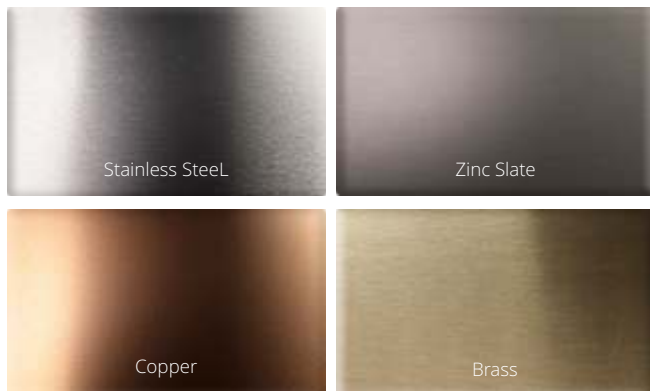
Projects with personality #customized #exclusive

5. METALS RANGE

Natural appearance makes these composites the ideal ecological solution and provides the sensation of liveliness from nature's finest elements.

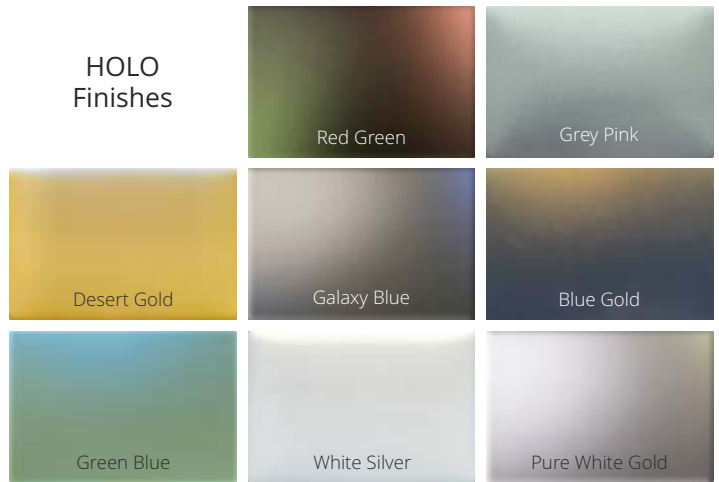
- a) Stainless Steel
- b) Copper
- c) Brass
- d) Zinc

METALS Finishes



...and more!

HOLO Finishes



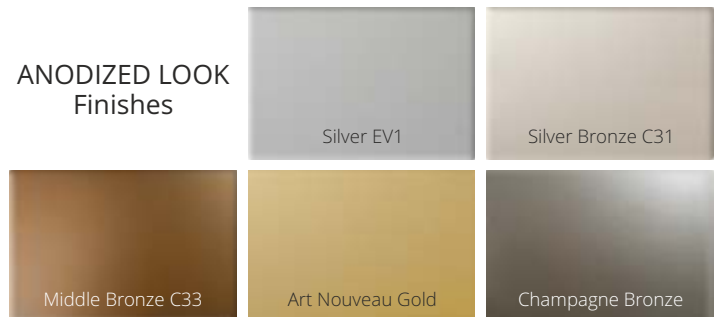
...and more!

ALUNATURAL Finishes



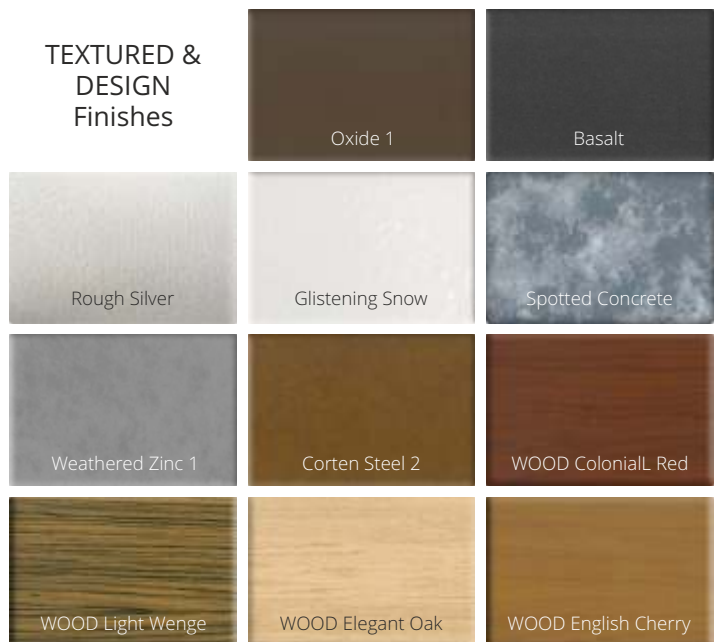
...and more!

ANODIZED LOOK Finishes



...and more!

TEXTURED & DESIGN Finishes



...and more!

Specification Support and Service - www.alucoil.com

YOUR SUPPORT CENTER FOR TECHNICAL INFORMATION AND DOWNLOADS

The majority of the technical information required for the specification of **Iarson® by Alucoil®** aluminum and metal composite panels is available on our website in the Downloads section at **www.alucoil.com**



TECHNICAL PARTNERSHIPS

Alucoil® North America maintains strong partnerships in the industry and marketplace to assist in resolving technical issues, finding value added solutions, and instilling confidence and security in material choice.

Installation Systems – **Alucoil®** is aligned with companies that offer numerous engineered and tested installation systems from caulk joint and pressure equalized rain screen, to concealed fastener and even hidden fastener systems.

The Metal Construction Association – As part of the Metal Composite Material Fabricator Council and MCM Manufacturers Council, **Alucoil®** is connected to the latest industry knowledge and at the forefront of ever changing building codes.

3rd Party Verification – As a domestic and global manufacturer of MCM, **Alucoil®** takes product quality seriously. All products are fully tested and compliant with US and Canadian building codes via our 3rd party testing and verification lab, INTERTEK. All raw materials and manufactured products are audited quarterly, ensuring consistent quality.

Paint Finishes – **Alucoil®** is partnered with coating manufacturers and coil coaters globally to help deliver coil coated aluminum system solutions that blend design and performance requirements at the desired price point.



larson® Perforated by Alucoil®

Alucoil® is the only ACM manufacturer that can guarantee bond integrity for perforated ACM for external installation without unreasonable limitations that inhibit design requirements. A white paper detailing technical points is available on our website.

- 45% maximum perforation surface area.
- Minimum distance between borders/edges perforations: 4 mm.
- Perforation services are available via our **Alucoil®** S.A.U. Spain operation as well as partner companies in North America.
- Perforations may be made via punch press or CNC machines.
- 4 standard patterns are available in various sizes and configurations. Please consult us directly for details.
- Exterior bond warranties for perforated larson ACM are granted on a project specific basis after technical review, and applicable to panels produced at **Alucoil®** S.A.U. facilities.



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MAIN PROJECTS MADE BY **larson®**
by **Alucoil®**.

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locations ...

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Endless Architectural Design Possibilities





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www.alucoil.com

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Please visit us at www.alucoil.com to check the latest version.

