larson®
by Alucoil®

Aluminium Composite Panels
for Architectural Wall Cladding
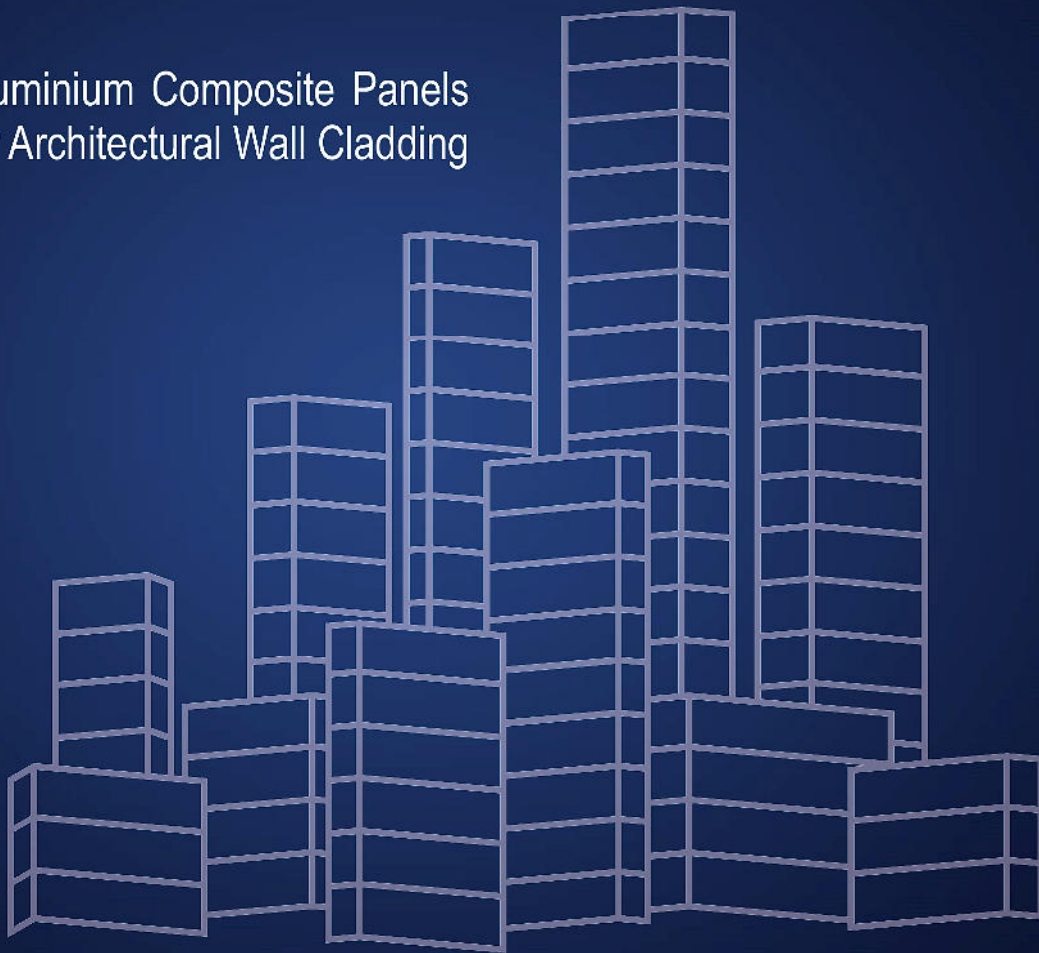
Top Quality ACM - Worldwide

Alucoil®
North America

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 both polyethylene (PE) and fire retardant (FR) core panels.

larson® by Alucoil®, proudly Made in South Carolina (USA)

Alucoil North America - Manning, South Carolina (USA)

It is part of the **Alucoil** S.A. 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 have been prominently installed across the globe. It operates MCM manufacturing locations in Spain, Morocco, Brazil, Australia, and the USA.
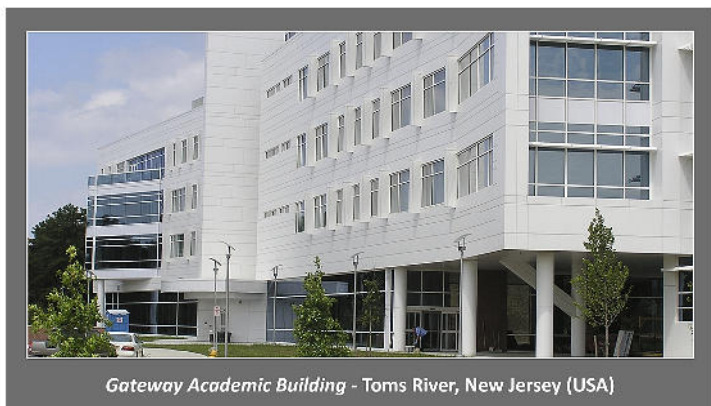
Gateway Academic Building - Toms River, New Jersey (USA)

Alucoil is backed by the **Alibérico Group**, a privately held leader in the world of aluminum with over 1000 employees worldwide. Based in Spain, it is composed of 17 companies and 35 affiliates with exports to over 45 countries on 5 continents.


Four Seasons Hotel - Toronto, Ontairo (CANADA)
larson® by Alucoil® 4 mm PE

Metal Composite Panel Solutions

larson by Alucoil® ACM and MCM

larson by Alucoil® Metal Composite Material panels are continuous process manufactured in Manning, South Carolina USA. Aluminum Composite Material (ACM) panels consist of two sheets of coil coated 3000 series or 5000 series alloy aluminum bonded to either a polyethylene (PE) or mineral filled fire resistant (FR) core. Products are fully tested and certified per building code requirements for North America. All manufacturing processes and raw materials are audited quarterly by a 3rd party verification laboratory of record.

PROTECTIVE FILM
METAL
BONDING LAYER
MINERAL FR OR PE CORE
BONDING LAYER
METAL
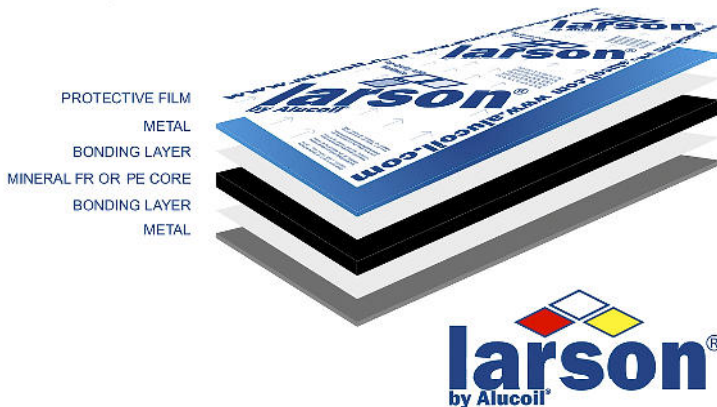
Matching Flat Sheet

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

larcore® Aluminum Honeycomb Panels

larcore® is a continuous process manufactured aluminum composite honeycomb panel ideal for spandrel in-fill panels between curtain wall mullions. It is available in:

- Standard 1" and ½" thicknesses with possibilities from ¼" to 1-3/16" (6mm to 30mm)

- Widths from 49.2" to 78.75"/ 1250mm to 2000mm

- Custom lengths from up to 60" to 242"/ 1525mm to 6147mm

PROTECTIVE FILM
METAL
BONDING LAYER
ALUMINIUM HONEYCOMB CORE
BONDING LAYER
METAL
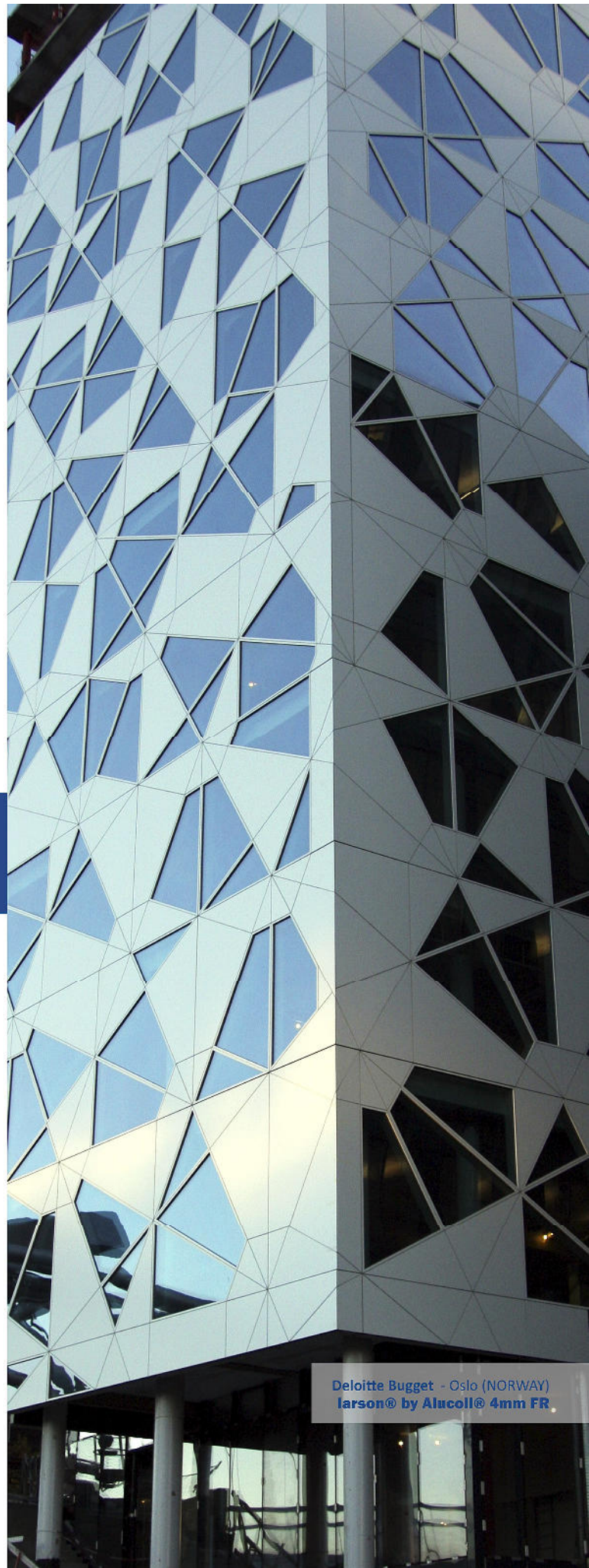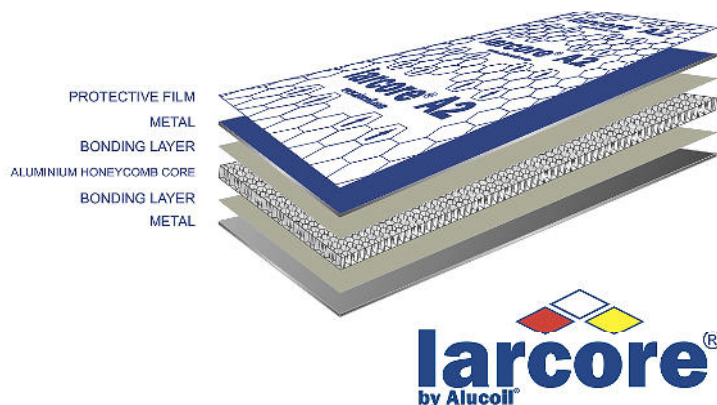
Deloitte Bugget - Oslo (NORWAY)
larson® by Alucoil® 4mm FR

![larson by Alucoil logo]

Standard Color Offerings

Powered by Duranar® 30-Year Exterior Coatings

larson by Alucoil® aluminum composite material is coil coated utilizing Duranar FC ® coatings from PPG. Backed by a 30 year exterior performance warranty, these (PVDF) fluoropolymer paint finishes contain 70% Kynar 500 ® / Hylar 5000 ® resins and are formulated to meet or exceed industry performance requisites such as AAMA 620.

29 Standard Architectural Finishes (North America)

All standard colors are stocked in both painted coil and finished goods panels with select colors available in matching flat sheet, and free of special set-up charges:
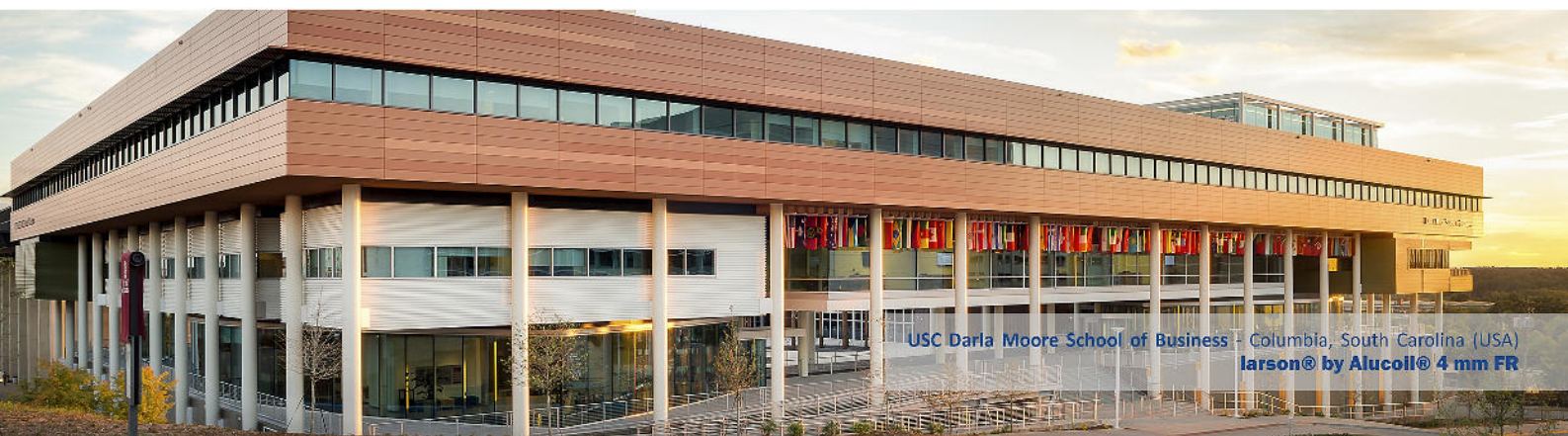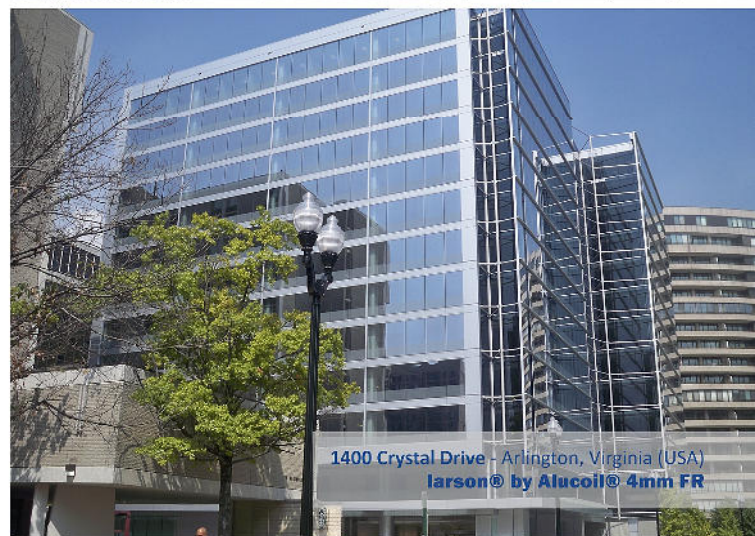
- 14 Solid, 2-coat finishes
- 9 Mica, 2-coat finishes
- 6 Metallic, 3-coat finishes

Bright Vibrant Colors for Corporate ID and More

High quality paint systems that deliver bright, vibrant colors in gloss ranges from 10% to 80%, as well as 2-coat metallic finishes, are uniquely suited for petroleum and retail marketing corporate identification applications. Performance warranties range from 10 to 20 years depending on specific color formulation – making them ideal for meeting the dynamic and demanding requirements of corporate branded colors which, when combined with the benefits of ACM, makes building design an integral part of the brand and image.

A Global Architectural Pallet of 56 Additional Colors

With coil coating and composite panel operations in Europe, Alucoil North America has access to an additional 56 standard architectural colors in 2 coat PvDF solid and metallic colors. Please inquire for details, minimum quantities, and lead times.

Bryant High School - Bryant, Arkansas (USA)
larson® by Alucoil® 4 mm FR

1400 Crystal Drive - Arlington, Virginia (USA)
larson® by Alucoil® 4mm FR

Walgreens Pharmacy - Rockville, Maryland (USA)
larson® by Alucoil® 4 mm FR

USC Darla Moore School of Business - Columbia, South Carolina (USA)
larson® by Alucoil® 4 mm FR

A Product Line full of Possibilites

Complimentary Speciality Composites

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

larson wood®: 8 wood grain finishes coil coated with PVDF coating technology or Super High Quality Polyester

English Cherry	Sunglow
Oak	Light Wengé
Walnut	Wengé
Colonial Red	Dark Wengé

larson metals®: Zinc, Stainless steel, copper, brass, brushed aluminum

Stainless Steel	Copper	Brass
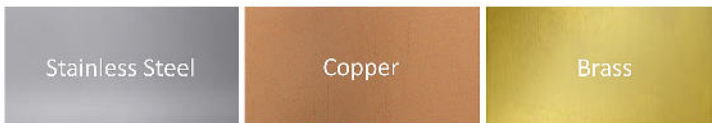
larson® specials: Imitation slate, copper patina, color shifting paints, corten steel effect, textured surfaces, stone imitations.

Holo	Corten	Stone

**larson® mirror:** Exterior grade mirror finish for building applications.

larson® Anodized: 3 standard finishes are achieved via a coil anodizing process which applies an 8 micron thick coating, ensuring consistent color from panel to panel.

Clear	Bronze	Champagne
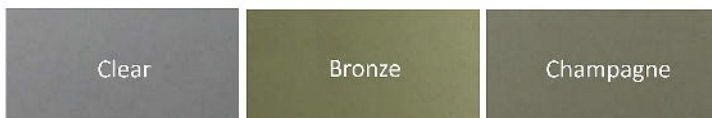
larson® elZinc: Alucoil has partnered with elZinc in offering a standard Zinc Slate and Zinc Blue in a larson 4mm FR Zinc Composite Panel - 4 other finishes available under special order.

elZinc Slate	elZinc Blue
elZinc Red	elZinc Green
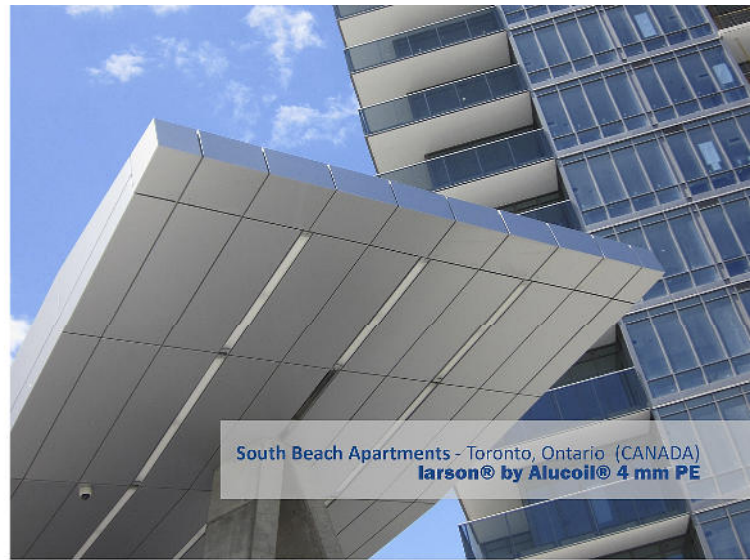
South Beach Apartments - Toronto, Ontario (CANADA) **larson® by Alucoil® 4 mm PE**
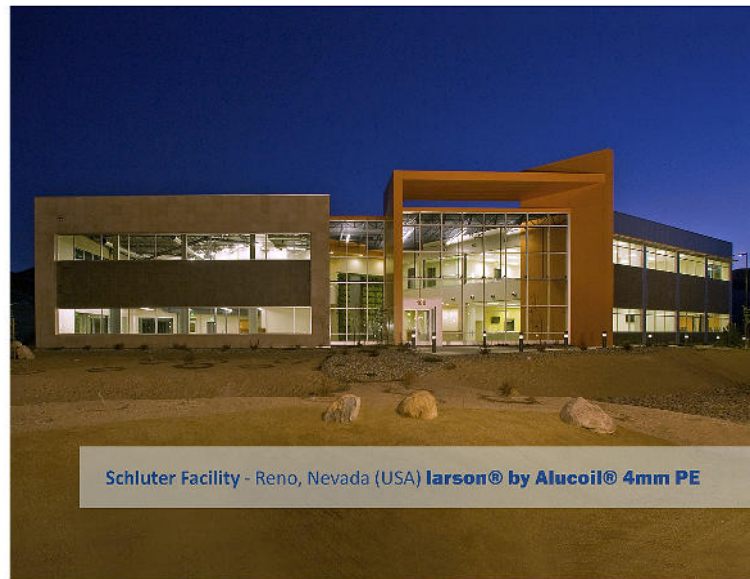
Schluter Facility - Reno, Nevada (USA) **larson® by Alucoil® 4mm PE**
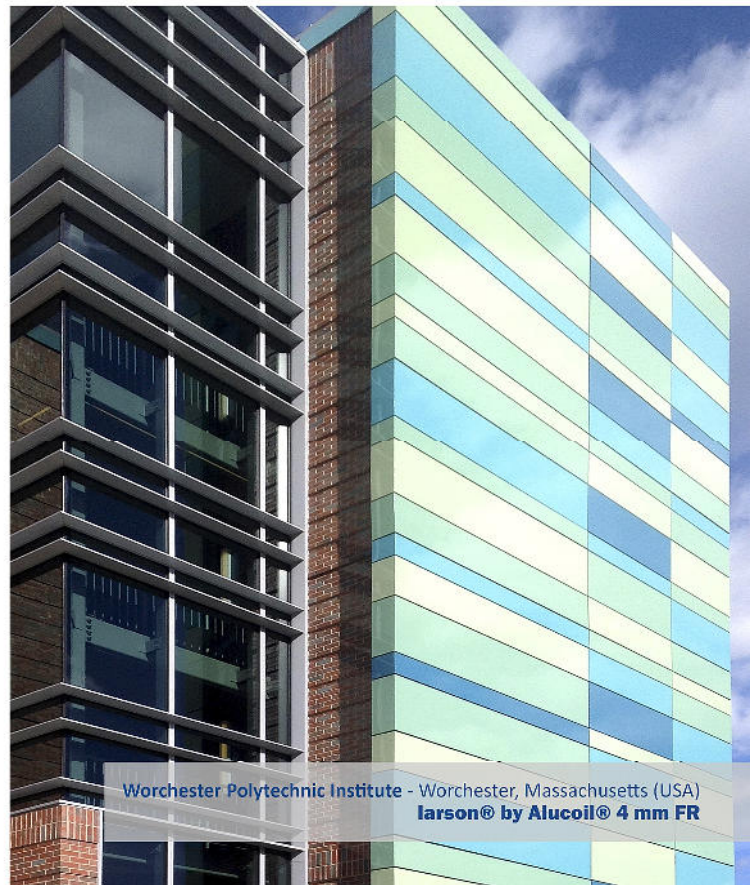
Worchester Polytechnic Institute - Worchester, Massachusetts (USA) **larson® by Alucoil® 4 mm FR**

Perforated and Embossed ACM

Perforated ACM – Finally!

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.

- Available in both PE and FR panels

- 45% maximum perforation surface area

- Perforation services are available via our Alucoil S.A. 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.** facilities.

Embossed Options

Alucoll pushes the envelope further by offering exclusive options in embossed patterns on **larson by Alucoil®** ACM including:

- Stucco Embossed
- Hammer Embossed
- Embossed Leather
- Special Diamond
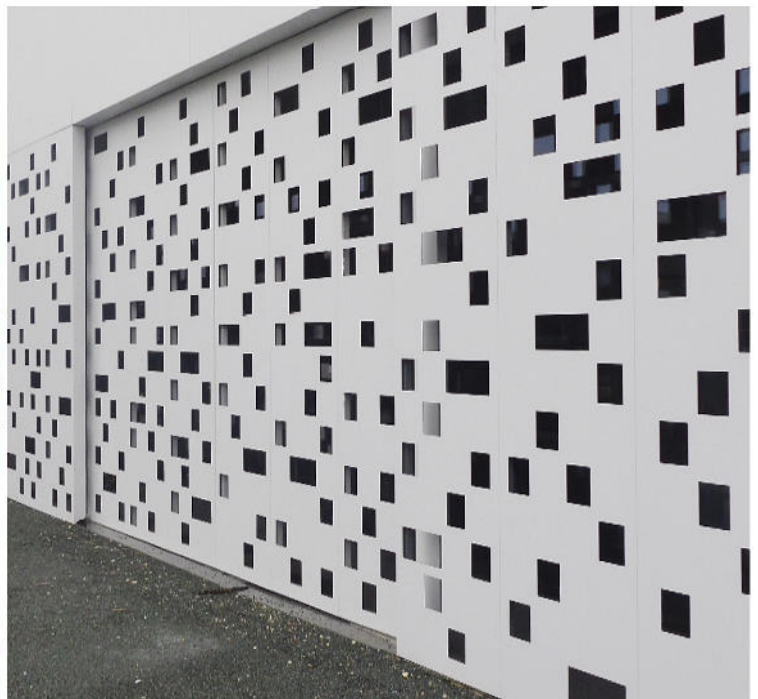
Specification Support and Service

Alucoil.com – your support center for technical information and downloads

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

- Product Specs in 3-part CSI format
- Engineering Properties
- Technical Data Sheets
- Material Safety Data Sheets
- LEED Calculations
- Fabrication Guidelines
- Cleaning & Maintenance Guidelines
- Storage & Handling Guidelines
- Product brochures
- Color Charts
- Product listings
- Product certifications per ICC AC25
- Product and Finish Warranties
- Project photos and portfolio
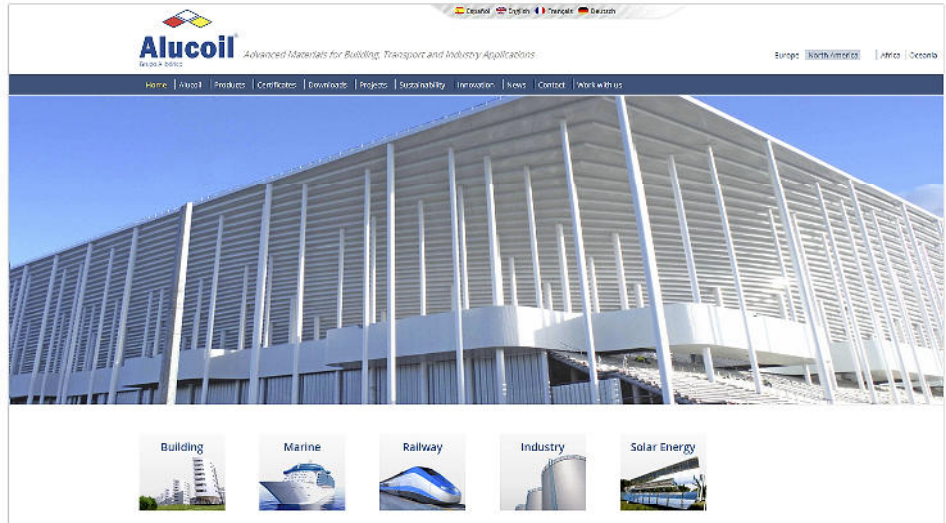
Technical Partnerships

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 coatings manufacturers and coil coaters globally to help deliver coil coated aluminum system solutions that blend design and performance requirements at the desired price point.

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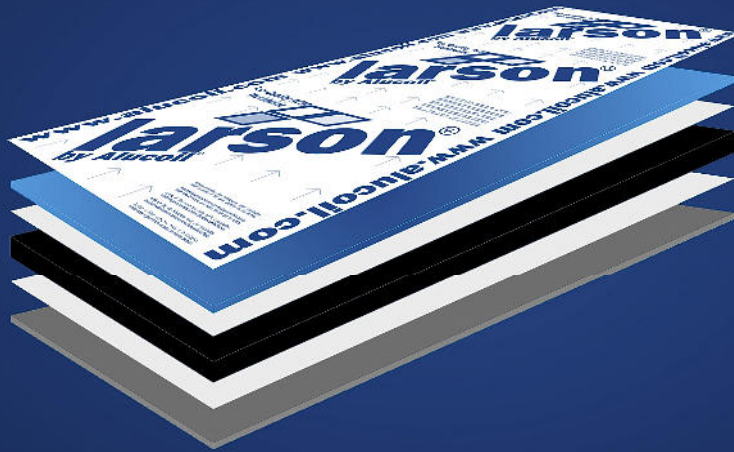
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