

## MOSAIC - Extruded Aluminum Plank

**Q:** Will Mosaic planks warp due to the large 24' span?

**A:** No, the planks and trims are designed to accommodate thermal movement and surface deflection. The continuous panel engagement keeps the panels aligned. The trims at terminations also have allowances for thermal movement. All planks and battens will need to be pinned at one point.

**Q:** What is the repeat pattern on our battens/planks?

**A:** The wood grain pattern repeats every six feet in length. The pattern across the shape will be dependent on the wood grain selected. Please refer to our color chart for each film's V-rating.

**Q:** What substrate do planks need to be attached to?

**A:** Because our systems are architectural, the substrate to which the planks or battens are attached must be a structural member. Materials include, but are not limited to: concrete block, plywood, wood supports or steel-framed wall assemblies. Fastener types are specified by the Designers/Architects.

**Q:** Can the planks be installed on a ceiling application?

**A:** Yes, if attached to a solid substrate. This is not a suspended ceiling installation.

**Q:** What is the standard finish for Mosaic?

**A:** We use a sublimation process to achieve wood

grain finishes, as well as solid colors in fine textured or smooth finishes.

**Q:** Can Mosaic battens be used structurally?

**A:** No, they are to be used in architectural applications only.

**Q:** Will water seep into our 2 PC Batten?

**A:** Our Battens are subject to water penetration at the end caps, we recommend using silicone to create a water-tight seal at the end caps.

**Q:** What is the effect of water penetration and freezing temperatures?

**A:** Our Battens are subject to water penetration at the end caps, we recommend using silicone to create a water-tight seal at the end caps. Again. Not enough water to damage the battens. Install battens with slope to gravity drain excess water. No Sealants needed.

**Q:** Is there any field preparation required for Mosaic planks and battens?

**A:** The planks or battens are either solid color powder coated or sublimated with a wood grain finish. They are manufactured in standard 24' lengths and trims in 16' lengths. Some trimming of the ends may be required in the field. Touch up pen kits are available.

## VISAGE (ACM Aluminum Composite Material)

**Q:** Can ACM be curved?

**A:** Yes, however, there are limits to the degree of curvature. The minimum radius is R100mm for 4mm ACM panels. Lumabuilt doesn't offer curving services.

**Q:** What is the largest fin we can make routing and returning ACM?

**A:** If the size is larger than 2"x4", drawings can be submitted to our engineering department for review.

**Q:** What do ACM panels need to be attached to?

**A:** Any structural member can be used however we prefer an extruded aluminum Z grit or metal hat channel.

**Q:** What happens to Lumabuilt ACM in the event of a fire?

**A:** Our ACM contains non-combustible materials. The mineral-core component reduces the proliferation of flame-spread and smoke development. Our ACM is an

FR rated (Fire Resistant) aluminum composite metal.

**Q:** How is ACM made?

**A:** ACM (Aluminum Composite Material) is a 3-layer extruded sandwich panel, typically consisting of a coil-coated facesheet, and a mill-finished .020" aluminum sheet on the backside, co-bonded to a polyethylene or FR (fire resistant) core using heat and pressure in a continuous process.

**Q:** What are some of the advantages of using ACM vs. traditional brick, stone or concrete cladding?

**A:** At a less than half the weight of full-depth aluminum and significantly less than fiber-reinforced concrete panels, ACM offers an excellent strength-to-weight ratio, and visually striking color options with a 20-30 year finish warranty, ACM panels are both attractive and practical for exterior and interior applications.

## LUMAPLATE (Aluminum Plate)

**Q:** What are the benefits of using Lumaplate system?

**A:** Durability and Performance. Our Full-Depth Aluminum Plate System is powder-coated, and allows for small run custom colors. The Lumaplate's structural durability makes it an excellent choice for High Impact Testing requirements such as Miami-Dade Co. Code Requirements. Aluminum Plate thicknesses: 0.080", 0.090", 0.100" & 0.115"

**Q:** When would I use a plate system instead of ACM?

**A:** Increased durability and code requirements in the wall assembly. Lumaplate is also beneficial when your job requires a short run custom colors of less than 3,500 sf/color.

**Q:** Is the Lumaplate system a rainscreen system?

**A:** Yes, with, or without a core, this assembly acts as a drain back-ventilated rainscreen system.

**Q:** What finishes are available for the Lumaplate?

**A:** Lumaplate is a full-depth aluminum plate with a durable powder-coated finish in a variety of colors, including the RAL System and sublimated wood grain options.

## COLORS & FINISHES

**Q:** Does Lumabuilt offer a mirror finish?

**A:** Yes, this is a special-order process, and minimum order quantities, longer lead times, and additional costs may apply.

**Q:** Can we match colors?

**A:** Yes, minimum order quantities, longer lead times and additional costs may apply.

**Q:** Can we make custom colors?

**A:** Yes, minimum order quantities, longer lead times, and additional costs may apply.

**Q:** Is there an anti-graffiti coating available?

**A:** Yes, it is applied during the powder coating process. Minimum order quantities, longer lead times and additional costs may apply.

**Q:** Are our products made from recycled material?

**A:** Our products are not only manufactured with recycled materials in North America, but they are also fully recyclable, helping to achieve LEED certification for your project.

**Q:** Can the aluminum we use be recycled?

**A:** YES, 100% of our finished goods can be recycled

**Q:** What percent of the aluminum we use is recycled?

**A:** Our aluminum profiles use a range of 60% - 76% recycled content.

**Q:** Do we sublimate/powder coat before or after we perforate our aluminum?

**A:** After it is perforated, then the finishing takes place. This is known as a post finish process.



For additional information on Lumabuilt products please visit us online at [Lumabuilt.com](http://Lumabuilt.com)

