PRODUCT DESCRIPTION

The Engraving Collection brings a subtle beauty with the help of CNC machining lending itself to a wide range of applications and environments. This sophisticated product brings a new layer of dimension, texture and visual interest to metal.

FEATURES AND BENEFITS

- 14 standard patterns
- 16 standard powder color options (suitable for interior/exterior applications)
- custom patterns and finishes available
- cost effective and decorative feature
- easy to specify
- easy to install

SPECIFICATIONS

Material: .090” (2.28 mm) solid core Aluminum ASTM B209 weighing roughly 1.3 lb/ft²
Custom .125” (3.17 mm) thickness also available. Not available on stainless steel.

Panel Sizes: 4’ x 8’ (1.2 m x 2.4 m) and 4’ x 10’ (1.2 m x 3.0 m.)
Panel squareness is subject to a 3/16” (4.7 mm) tolerance.
Custom sizes available with a max size of 5’ x 10’.

Finishes: Powder Coat Colors offering superior scratch resistance for interior/exterior applications.
Signature color options with a low VOC compliant polyurethane finish in a variety of flat, matte, and gloss sheen options. Tuffcoat and Durafilm finishes not available.
Custom Colors also available.
PATTERNS

Available in 14 standard patterns with custom modifications and patterns available. Click on pattern names below to jump to a detail page for each pattern.

- Apex
- Voyage
- Cubella
- Maze
- Hive
- Dash
- Nouveau
- Crossroads
- Mason
- Links
- Current
- Circuit
- Matrix
- Pearls

* Pearls pattern has engraved lines and laser cut out holes
STANDARD COLORS

16 standard powder coat colors in a variety of smooth, textured, metallic or gloss finishes suitable for interior and exterior applications with a 5yr exterior warranty. Ask about our Ultra Durable Exterior finishes offering a 10 to 20 year warranty.

Also available in select Móz Classic, Blendz/Patina, and Gradient Collections with hand-crafted grains, Custom colors also available. Visit our [website](#) for a complete list of pattern and color options.
DESIGN CONSIDERATIONS

Pattern Matching from panel to panel
Most patterns are continuous and match on all four sides while others match better on one side only. See pages at the end of this guide for an overview of each pattern in regards to pattern matching. If you need help creating a continuous pattern for your project just contact us for assistance.

Engraved Silver lines vs painted lines
Engravings are made from a cnc router bit cutting into the surface of the aluminum. Typically we paint after engraving which produces a painted line (see image.) Painted lines always match the panel color, we cannot provide painted lines in additional colors at this time.

For added contrast on select patterns and colors, we can paint before we engrave which exposes the aluminum and produces a silver line (see image.) Silver lines are not available on any powder coat colors or the following patterns: Apex, Cubella, Dash, Matrix, Maze, and Voyage. Contact us for pricing on this premium option.

In both cases, we always apply a protective top finish/sheen to seal and protect the metal.

Custom Design Options
For custom patterns, please submit a vector image preferably an .ai, .eps or .dxf file. to scale. The following line thicknesses are available for most of the designs: 1/8", 1/4", 3/16", 3/8", 1/2". Please note engraved lines 3/16" and thicker may create vibration marks from cutting - these marks can be covered by a powder coat finish. Contact the design department for more information.

SAMPLING
Samples are made from .090" aluminum in 3.5" x 5" size. Due to the large pattern scale samples are often scaled down. Additional samples may be sent to show both color and pattern if an exact sample is not available at the time of order. If you would like to request samples, please visit our Sample Request Form online.

STOCK AND AVAILABILITY
Our products are made to order and take approximately 2-3 weeks to manufacture. Larger and more complex orders may take longer. For your convenience, we offer a short list of materials from overruns that are discounted and available to ship in just a few days through our Quickship site.

SUSTAINABILITY
Móz Metals are proudly Made in the USA. We provide domestically sourced materials which are manufactured from our 100% solar powered factory in Oakland California. Móz Metals can contribute to LEED v4 MRc: Building Product Disclosure and Optimization: material ingredients with our published HPDs. View our Sustainability Page online for more information.
HANDLING, CARE, AND CLEANING INSTRUCTIONS

Cutting Instructions
When cutting is complete, thoroughly clean all cut edges with dry cloth. Sand rough edges with 220 grit sandpaper before removing PVC coating. For all cutting methods, a test cut is always recommended.

CNC Cutting - Use a Zero-flute up-cut onsrud bit if available (like series 63-600) or similar carbide bit. A ."(63-622) diameter bit should be sufficient for all Moz laminates up to an .090" sheet. For thicker gauge (.125") cut through in two passes (.1" / EACH PASS). Do not use lubricant of any kind on Moz finished product. Cut Moz products only on an unused spoil-board. Use 18,000 RPM and travel no faster than 75 IPM (inches per minute) when cutting. Cut in "climb direction" on finished parts.

Sawing (table & panel saw) - Always use sharp carbide tip blades with 80 to 100*teeth. Blade should be 8" to 12" in diameter, and at 0 degree rake for best results. It is always best to cut into the decorative face with the blade to minimize burring and edge distortion. Do not force material through saw. A constant feed rate will produce smoother cuts. Blade wax will promote better cuts. Shearing Blades must be clean, sharp and properly maintained. Due to pressure, one side will always chip. To avoid chipping take special attention to placement of decorative metal face as follows: for chip free cut to material on operator side feed thru decorative face down. for chip free cut to material on drop side feed thru decorative face up

Installation Instructions
The Engravings line should be applied using a panel adhesive unless the bottom lip is resting on a surface (i.e. floor, baseboard). Always check with your adhesive supplier to make sure the adhesive you have selected is suitable for the application. In all cases, the adhesive manufacturer’s instructions should be followed as to the use of the adhesive and substrate preparation. Overhead installation will need to be hardware fastened. Móz metals are not post-formable beyond their natural tolerance. Our Engravings panels are substantially thicker than our other .040” metals and will not flex as easily. All bending/forming must be done by the factory prior to application of Móz colors and patterns.

Panels should be maintained at a constant temperature range of 65°F to 85°F (18°C to 24°C), with stable relative humidity, for at least 48 hours prior to, throughout the installation period and maintained consistently thereafter. Installation locations must be enclosed, weatherproofed and climate controlled prior to commencing installation. Do not install if relative humidity is greater than 80%.

Cleaning Instructions
For GENERAL CLEANING, use a damp, soft cloth with mild, non-abrasive soap and water. For HEAVY CLEANING and removal of grease, use oil based mineral spirits or naphtha. Low concentration ammonia based cleaning agents such as glass cleaners may also be used. A soft brush may be used to clean grooves of engraving channels.

GENERAL WARRANTY
Due to the production process, no two sheets are exactly alike. Some surface irregularities as well as color and pattern variations will appear. We recommend that you inspect the material before cutting or mounting by simply lifting up the edge of the protective mask and laying it back down. If any material proves to be defective, Móz Designs will be liable for the cost of that material only. In order to prove material defective a sample must be provided to Móz Designs for review. No other warranty is expressed or implied.
APEX PATTERNS

Pattern Style: Geometric and Linear

Pattern Repeat: 4'X8' or 4'X10'

Line Thickness: 3/16" (painted lines only)

Pattern will match on all sides

> view standard color options
Pattern Style: Geometric

Pattern Repeat: 32" X 16"

Line Thickness: 3/8"  
(painted lines only)

Pattern will match on all sides of 4x8 but only long sides of 4x10. Contact us for help with stacked sections of 4x10 panels.

> view standard color options
CUBELLA PATTERN

Pattern Style: Geometric

Pattern Repeat: 4'X8' and 4'X10'

Line Thickness: ½”, 1-¼”
(painted lines only)

Pattern will match on long sides only.

> view standard color options

Contact us for help with stacked sections
MAZE PATTERN

Pattern Style: Geometric

Pattern Repeat: 4’x8’

Line Thickness: 3/8"
(painted lines only)

Pattern will match on all sides of 4x8 but only long sides of 4x10. Contact us for help with stacked sections of 4x10 panels.

> view standard color options
HIVE PATTERN

Pattern Style: Geometric

Pattern Repeat: 4’X8’ and 4’X10’

Line Thickness: 3/16”

Pattern will match on long sides only.

> view standard color options

Contact us for help with stacked sections
Pattern Style: Linear

Pattern Repeat: 4'X8' and 4'X10'

Line Thickness: 3/16” (painted lines only)

Pattern will match on all sides

> view standard color options
**NOUVEAU PATTERN**

Pattern Style: Organic

Pattern Repeat: 48” x 50’

Line Thickness: 1/8”

Pattern will match on long sides only.

> view standard color options

Contact us for help with stacked sections
CROSSROADS PATTERN

Pattern Style: Geometric, Linear

Pattern Repeat: 4’X8’ and 4’X10’

Line Thickness: 3/16”

Pattern will match on all sides

> view standard color options
Pattern Style: Geometric, Linear

Pattern Repeat: 1'x4'

Line Thickness: 3/16”

Pattern will match on all sides

> view standard color options
Pattern Style: Geometric, Linear

Pattern Repeat: 4’X8’ and 4’X10’

Line Thickness: 3/16”

Pattern will match on all sides

> view standard color options
Pattern Style: Organic, Linear

Pattern Repeat: 2’x4 or 2’x5’

Line Thickness: 1/4”

Pattern will match on all sides

> view standard color options
CIRCUIT PATTERN

< BACK TO PATTERNS

Pattern Style: Linear

Pattern Repeat: 4'X8' and 4'X10'

Line Thickness: 3/16” (line) ½” (dot)

Pattern will match on long sides only.

> view standard color options

Contact us for help with stacked sections

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Pattern Style: Geometric

Pattern Repeat: 8”x8”

Line Thickness: ¼” & ½”
(painted lines only)

Pattern will match on all sides

> view standard color options
PEARLS PATTERN

Pattern Style: Organic, Linear

Pattern Repeat: 4'X8' and 4'X10'

Line Thickness: 3/16”

Pattern will match on all sides

> view standard color options

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