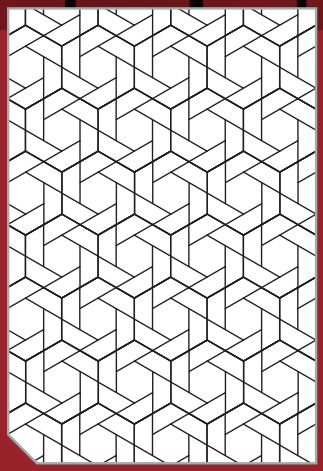
PANEL:Form™ | MOZAIX HEX WEAVE



Introducing next-generation ceiling designs that break free from the conventional grid. Easily accessible from below for hassle-free plenum access, Mozaix designs offer 8 patterns, unlimited colors, and integrated lighting options.

Mozaix revolutionizes traditional full-coverage panel ceilings by eliminating grid-based constraints, allowing for diverse, non-uniform designs. With Mozaix, you have the freedom to create unique ceiling layouts using various panel shapes, sizes, colors, and perforation patterns in unconventional orientations and depths.

Mozaix offers an affordable custom design upgrade by utilizing industry standard T-bar suspension systems for panel installation. This innovative approach not only provides potential retrofit cost savings but also contributes to sustainability efforts by minimizing environmental impact while maximizing aesthetic appeal.

Mozaix Hex Weave design provides a bold departure from expected geometry, opening doors to innovative and dramatic effects. Interlocking seamlessly, each hexagon weaves into its neighboring shapes, crafting a unified and dynamic pattern that enriches the space with intricacy and texture.

KEY FEATURES

- Easy installation and plenum access. Downward accessible.
- Utilizes typical T-bar grid (new or existing). Sustainable and economical.
- Ceiling design re-imagined. Create unique ceiling designs from a collage of panel shapes, sizes and colors, in non-traditional orientations and depths.
- Integrated options – Lighting, HVAC, Sprinklers.
- Reduces noise and enhances acoustics (with perforations and infill).

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WOOD STANDARD POWDER COATED PAINT FINISHES (Interior & Exterior) Formaldehyde-Free

National Walnut | Chestnut | Rosewood | European Cherry | Knotty Pine

Oak Fine | Maple | American Douglas | American Maple | Teak

FIND YOUR PERFECT MATCH

At Maxxit we have a passion for finishes; wood, metallic, oil rubbed, whatever your challenge is we can match it!

Send us a color sample so we can quickly provide a color match.

WOOD STANDARD LAMINATED (FILM) FINISHES (Interior only). Formaldehyde-free

Canadian Oak | White Oak | American Natural | North Oak | European Walnut | Brazilian Walnut | Black Ash

COLORS POWDER COATED PAINT FINISHES (Interior & Exterior) Formaldehyde-Free

Black (25-35 Gloss) | White (17-20 Gloss) | LRV 79-80 | Chalkstone White 2-6 Gloss | LRV 85-86 | Snow White (25-30 Gloss) | LRV 83-84 | Sterling Silver (20 Gloss) | Sunrise Yellow (20 Gloss) | Tan Straw (20 Gloss) | Blush Rose (20 Gloss)

Forest Green (20 Gloss) | Grey (65-75 Gloss) | Mid Beige (20 Gloss) | Pure Orange (20 Gloss)

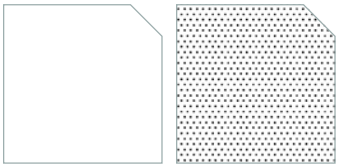
CUSTOM COLOR

Custom colors available

COLORS POWDER COATED, BONDED METALLIC FINISHES (Interior & Exterior) Formaldehyde-Free

Dark Bronze | Forged Charcoal | Gold | Golden Bronze | Metallic Sterling Silver | Soft Nickel | Blush Copper

STANDARD PERFORATIONS Angles – Staggered 60°



Unperforated

S05 Staggered
Diameter 0.063
Open area 10.1%
Centers 0.188

Mozaix is patent pending.

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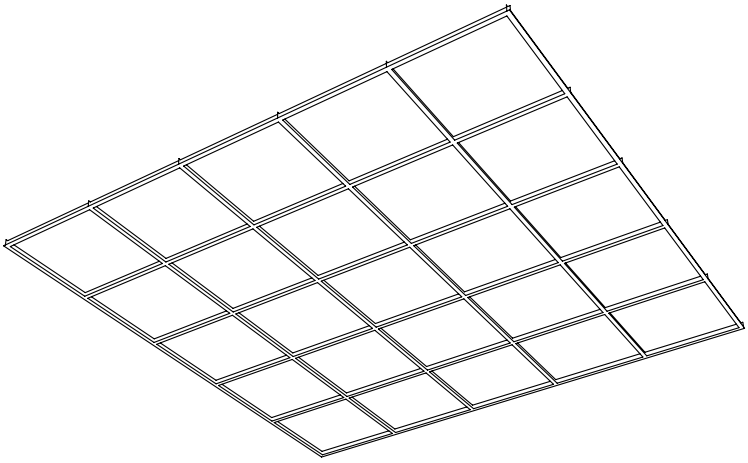
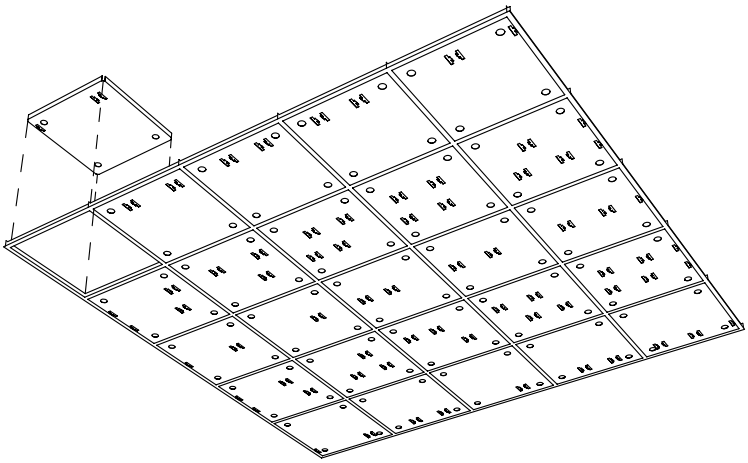
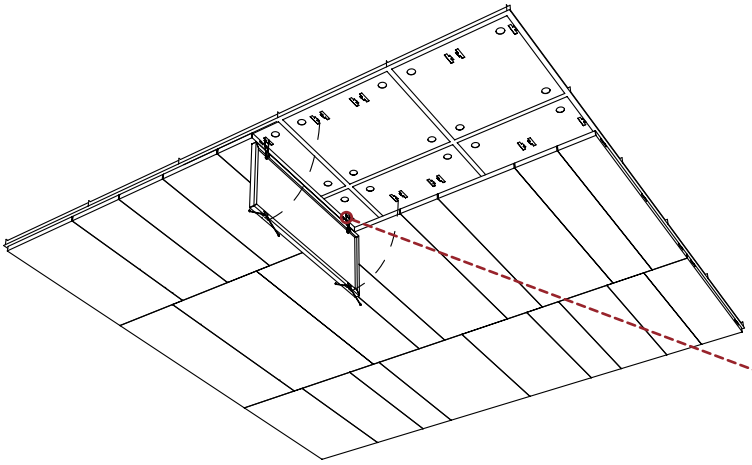
CONCEPT & INSTALLATION



1 EXISTING T-BAR CEILING

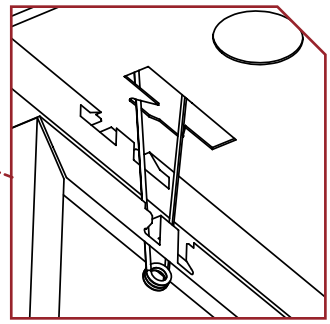


2 LAY IN SUSPENSION PANELS



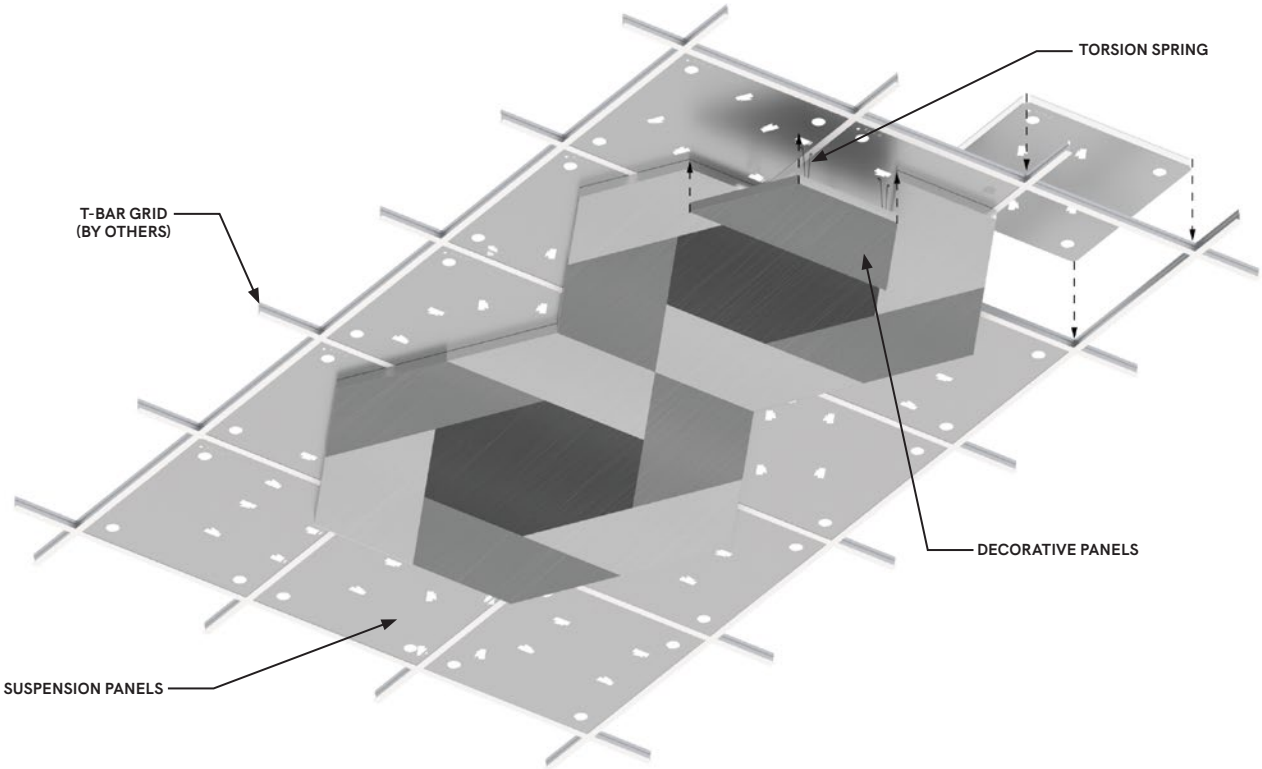
3 MOUNT DECORATIVE PANELS

- Torsion spring



Mozaix is patent pending.

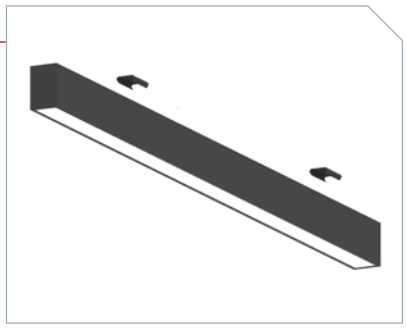
CONFIGURATION



INTEGRATION OPTIONS

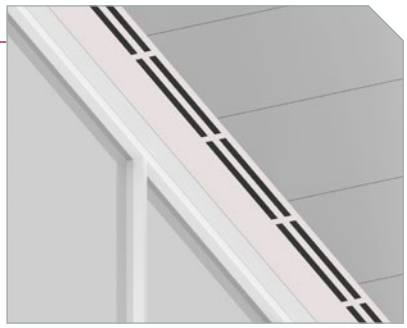
LIGHTING

Integrate flat, linear, and round lighting solutions into your panel design for flexible placement.



VENTILATION

Incorporate industry-standard ventilation solutions.

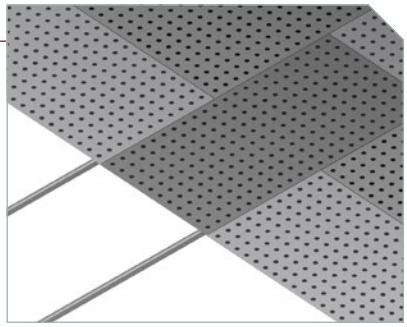


FIRE SUPPRESSION

Easily field fabricated to accommodate existing sprinkler locations.

ACOUSTICS

A choice of perforations and acoustic materials are available to achieve your desired level of acoustic comfort.



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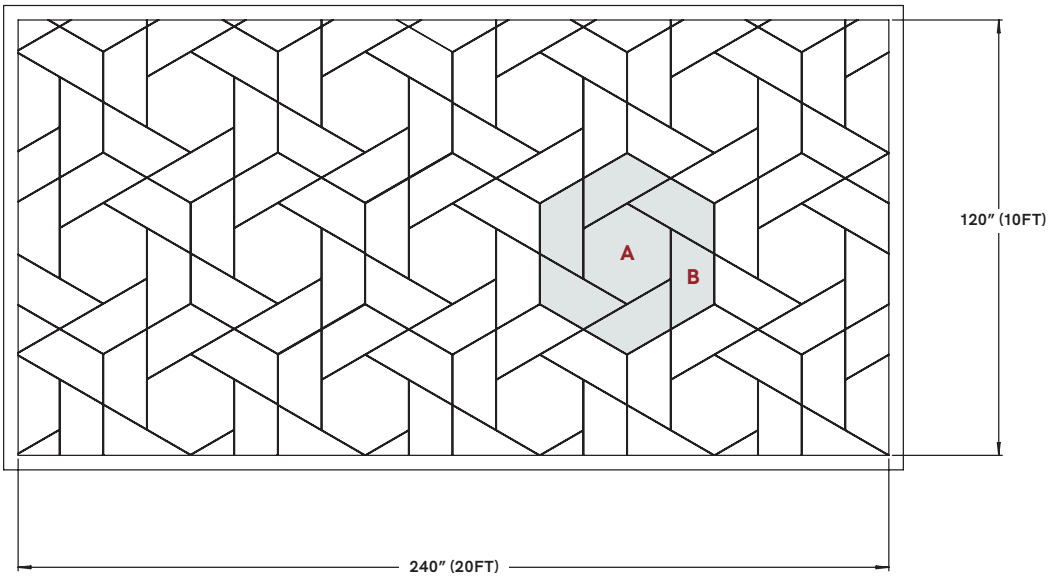
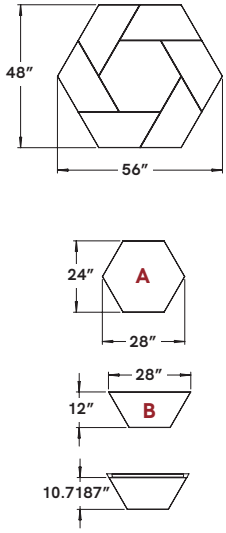
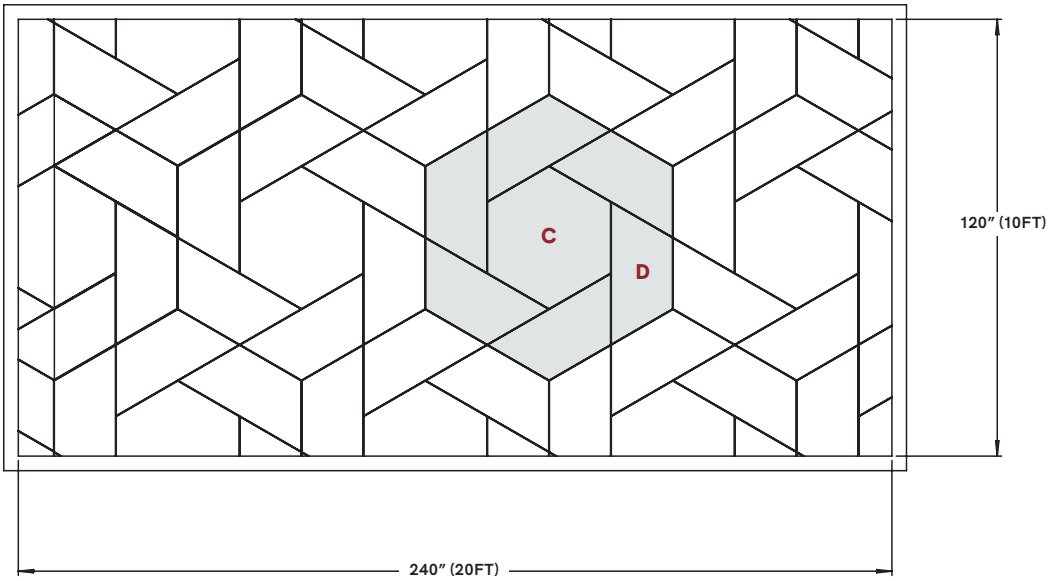
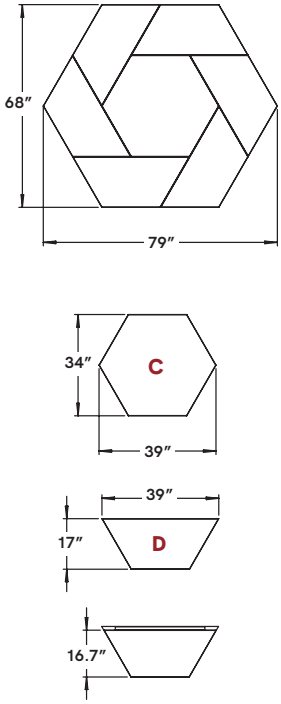
CONFIGURATION OPTIONS





All dimensions are nominal.





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ACOUSTIC PERFORMANCE - MOZAIX CEILING PANELS

PERFORATION PATTERN	OPEN AREA	DIAMETER	CENTERS	ACOUSTIC INFILL	NRC
S05 STAGGERED	10.10%	0.063″	0.188″	Acoustic Non-Woven	0.75
				1″ Surface Coated Fiberglass	0.85
				1″ Surface Coated Fiberglass + Acoustic Non-Woven	0.90

Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method ASTM C423, E-400-Mount.
Mozaix panels are fully perforated across the entire surface - no unperforated edges.

Choose from three levels of acoustic comfort — Good, Better, and Best — tailored to meet your unique sound control needs.

ACOUSTIC NON-WOVEN

Ultra-thin at just 0.01″ and weighing 63 g/m3, this high-performance non-woven material delivers excellent sound absorption in a lightweight profile. Available in black. Fire rated ASTM E84-19a, Class A for flame spread and smoke development.

1″ SURFACE COATED FIBERGLASS

Made from flexible fiberglass (brown) and protected by a durable black mat facing on one side. Bound with a plant-based, low-VOC, low-carbon binder. No polybag required. GREENGUARD Gold and Asthma & Allergy Friendly® Certified, Verified Healthier Air.™ Fire rated ASTM E84-19a, Class A, FSI 25 SDI 50; CAN/ULC S102.

FEATURES

- Creates unique weave pattern that incorporates hexagon and trapezoid shapes.
- Unlimited finish options – standard and custom solid and wood look colors.
- Standard sizes (Hex Weave) – See Configuration Options for available size combinations.
- Depth up to 3″ (1.5″ standard).
- Lightweight and easy to install.
- Supported by traditional 15/16″ HD Grid system.
- Integrated Lighting, HVAC and Sprinkler options available.
- Torsion spring design allows for easy downward access panel removal.
- Suspension Panels drop into the grid and don't require any fasteners.
- Mozaix panels feature a fully perforated design that extends seamlessly across the entire surface, delivering a sleek, uniform look with no unperforated edges.

PHYSICAL DATA

- Material substrate – Aluminum (Decorative Panels), Galvanized Steel (Suspension Panels)
- Thickness .041″ - .060″ design dependent
- Fire Performance - Class A: Tested per ASTM E84, CAN/ULC S102 surface burning characteristics
- Weight – Varies from .67 – 1.10 lbs./sq.ft.
- Warranty – One Year Limited
- Surface Finish - Factory-applied polyester paint. Available in Standard Colors, Color Matched, Wood Look Powder-Coated and Laminated.
- Seismic areas – Mozaix has been engineered for use in all seismic areas. Check with local code officials or a licensed engineer for additional requirements.
- Acoustical Options - Perforated panels are supplied with optional acoustic infills to absorb sound.

SUSTAINABILITY

CONTRIBUTES TO LEED® POINTS –

- LEED BD+C: New Construction v4
  - MR: Regional Materials
  - MR: Recycled Content
- LEED BD+C: Schools v4
  - EQ: Acoustic Performance
- LEED ID+C: Commercial Interiors v4
  - EQ: Low-Emitting Materials
- No VOC'S: No added urea-formaldehyde
- EPD 'Environmental Product Declaration' for raw material components
- Recycled Content - up to 80%

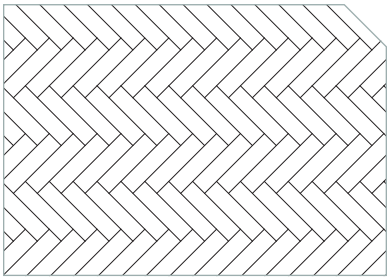
LEED® is a registered trademark of the U.S. Green Building Council

Mozaix is patent pending.

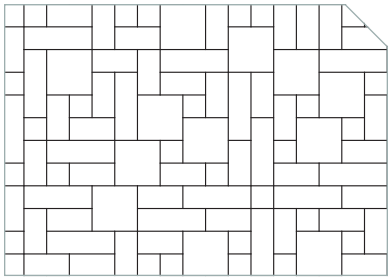
PANEL:Form™ | CORE MOZAIX LINE

Mozaix standard design range presents a variety of well-known popular shapes and patterns that enhance the intrigue and depth of ceiling architecture.

STANDARD PATTERNS

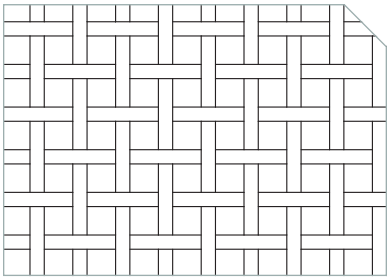


Herringbone

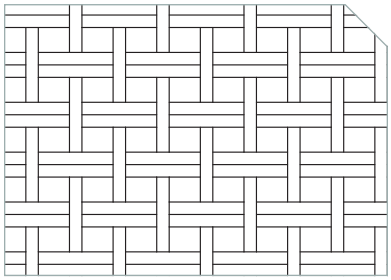


Interlock

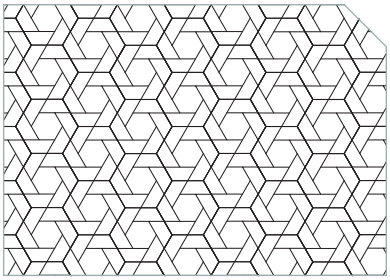
Inspired by familiar flooring designs, the Herringbone pattern exudes a timeless elegance, providing both consistency and repetition to the surface. In contrast, Interlock introduces an element of unpredictability and complexity.



Weave

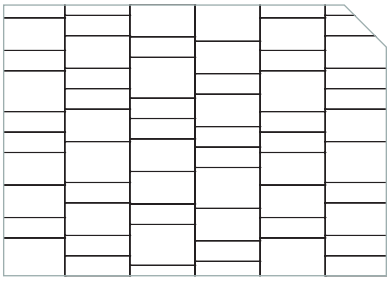


Double Weave

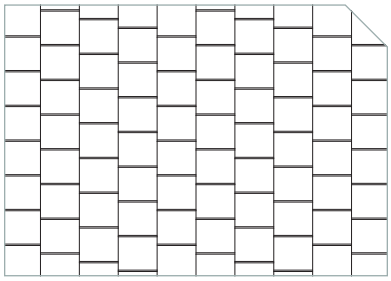


Hex Weave

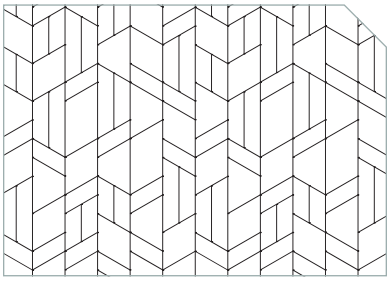
Weave and Double Weave offer an interlacing effect that suggests interconnectedness, adding depth to the design. Hex Weave provides a bold departure from expected geometry, opening doors to innovative and dramatic effects.



Stacked



Shift



Arrow

Stacked formation deviates from the uniformity of traditional panel designs. Staggered, offset nature of Shift pattern adds unique rhythm and style while celebrating the intricacy of the in-between seams. Arrow symbolizes direction and introduces dynamic movement to any space.

Mozaix is patent pending.

PANEL:Form™

LINE:Form™

AERO:Form™

NOTHING IS IMPOSSIBLE

Maxxit helps architects and interior designers realize their design intent with creative engineering solutions, a broad range of manufacturing capabilities and unlimited finishing options. From the familiar to the truly one of a kind, Maxxit brings your design vision to life.

Our engineers are masters of metals, wood, felt, glass, composites and more, working in a single medium or combining them in unexpected ways to create stunning architectural solutions. There is no limit to what we can create together.

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