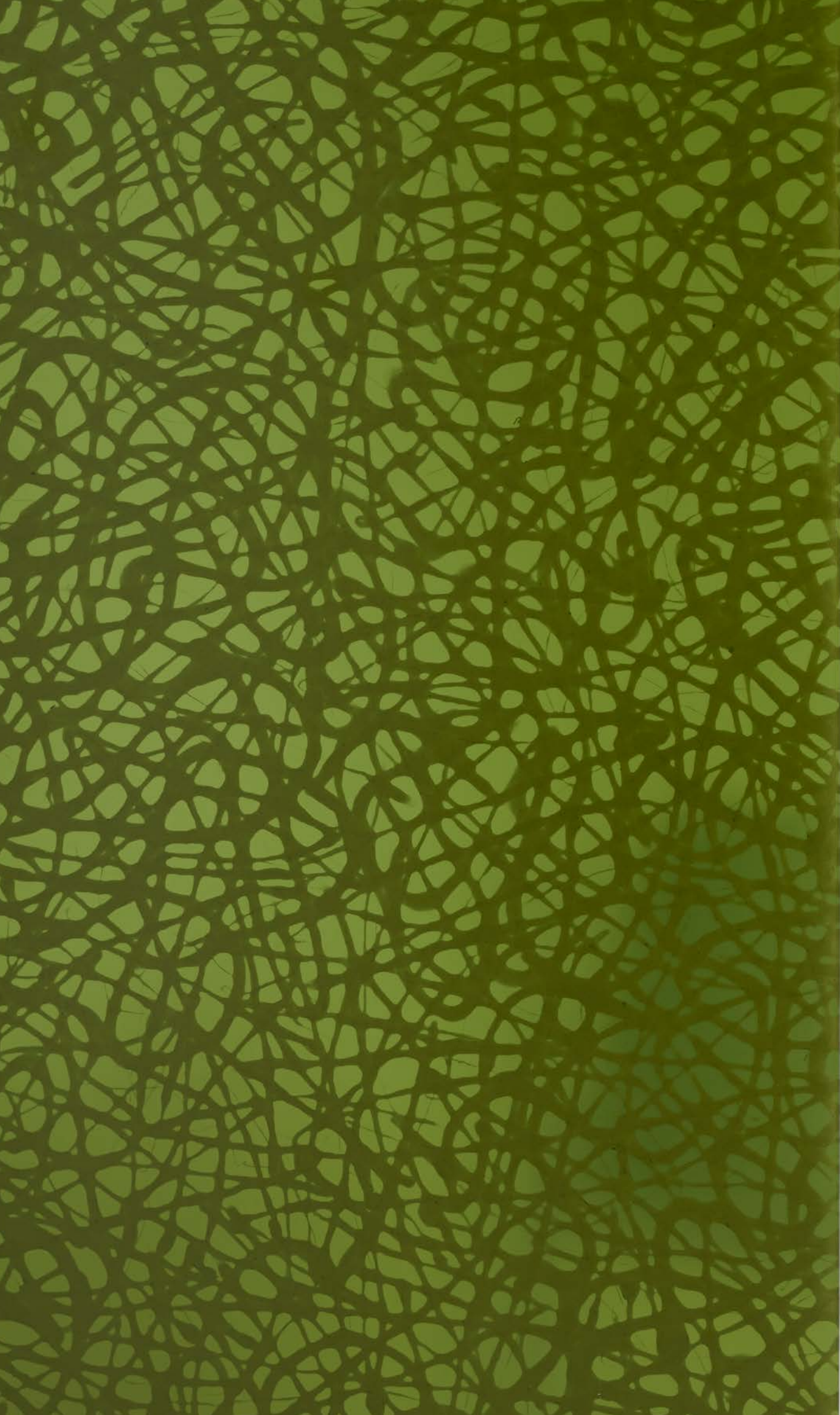




Materials

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3form Materials

We are material experts
specializing in resin, glass, and felt.

We offer a wide variety of design options within each material
category and the expertise to help make sure your end vision
is executed flawlessly and timelessly.

Material | Chroma
Pattern | Tulsi
Color | Juniper

Our mission is to make a net-positive impact on people, the environment, and the world around us with beautiful and sustainable products.



Aerial Palette
Jenny West

Material | Varia
Color | Custom



Photography | Wan Bao

3form crafts sophisticated, handcrafted translucent materials that harness form, texture, light and color — inviting you to design spaces that clearly reflect your vision for the world.

Cooper Union
Morphosis Architects

Material | Varia
Color | Custom

Align with 3form

We believe it's imperative to align the creation of beautifully designed products with actions and practices that help protect and nourish the planet.

The framework for Align includes three main pillars - People, Product, Planet. These pillars translate into a focus on human well-being alongside design methods and manufacturing processes that conserve and restore the planet.

Material | Chroma
Color | Cedarwood
Amber
Steep





👤 People

Community and Wellness

We are committed to empowering our employees and local communities, investing in various wellness, education and sustainable programs as well as securing the Just label to showcase our commitment to providing an equitable, healthy and transparent workplace.

Just.

Organization Name: 3form
Organization Type: Manufacturing
Headquarters: West Valley City, Utah
Number of Employees: 402

Social Justice Indicators:

<p>Diversity & Inclusion</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Gender Diversity ■ ■ ■ ■ Ethnic Diversity ■ ■ ■ ■ Inclusion ■ ■ ■ ■ Engagement 	<p>Employee Benefits</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Health Care ■ ■ ■ ■ Retirement Provision ■ ■ ■ ■ Family/Medical Leave □ □ □ □ Training/Education
<p>Equity</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Full-Time Employment ■ ■ ■ ■ Pay-Scale Equity □ □ □ □ Freedom of Association ■ ■ ■ ■ Living Wage ■ ■ ■ ■ Gender Pay Equity 	<p>Stewardship</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Local Communities ■ ■ ■ ■ Volunteering ■ ■ ■ ■ Animal Welfare ■ ■ ■ ■ Charitable Giving ■ ■ ■ ■ Positive Products
<p>Employee Health</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Physical Health ■ ■ ■ ■ Well-Being 	<p>Purchasing & Supply Chain</p> <ul style="list-style-type: none"> ■ ■ ■ ■ Equitable Purchasing ■ ■ ■ ■ Supply Chain

THE SOCIAL JUSTICE LABEL 2.0
 3FM-001 EXP. 10/01/2024

INTERNATIONAL LIVING FUTURE INSTITUTE™



Product

**Materials as beautiful for your space
as they are for the environment.**

We have a number of products that carry industry certifications such as Living Building Challenge, EPDs, Declare label and Greenguard Gold certifications. We recently launched our first 100% recycled material - Flek Pure. We will continue to focus on developing sustainable materials in the future.















Planet

We aim to create net-positive products that will leave our planet in better condition than when we started.

Our climate responsibility measures start with efficient use of energy and materials and are complemented by investing in renewable energy credits, verified emission reductions, and on-site solar generation. We seek to achieve zero-waste manufacturing and to encourage a circular economy through the use of recycled, recaptured, and re-imagined ingredients as well as implementing take-back programs for our products.

Material Attributes

Whatever your project, we have a material that will meet your needs and exceed your expectations.

-  Translucent
-  Illuminated
-  Color
-  Texture
-  Dimension
-  Scale
-  Formable
-  Acoustic
-  Durable
-  Weatherable
-  Writeable
-  Tackable

Material | Varia
Pattern | Scan
Boxed



🔗 Translucent

Visual privacy and light transmission.
3form materials offer an array of
diffusions and opacities.

Material | Varia
Pattern | Villa
Color | Prose



Photography | Derek Branstetter



Photography | © William Horne

💡 Illuminated

3form offers materials that shine. Harness natural light or utilize LED lighting to create a stunning visual effect.

Bradley Airport Elevators
Fennick McCredie Architecture

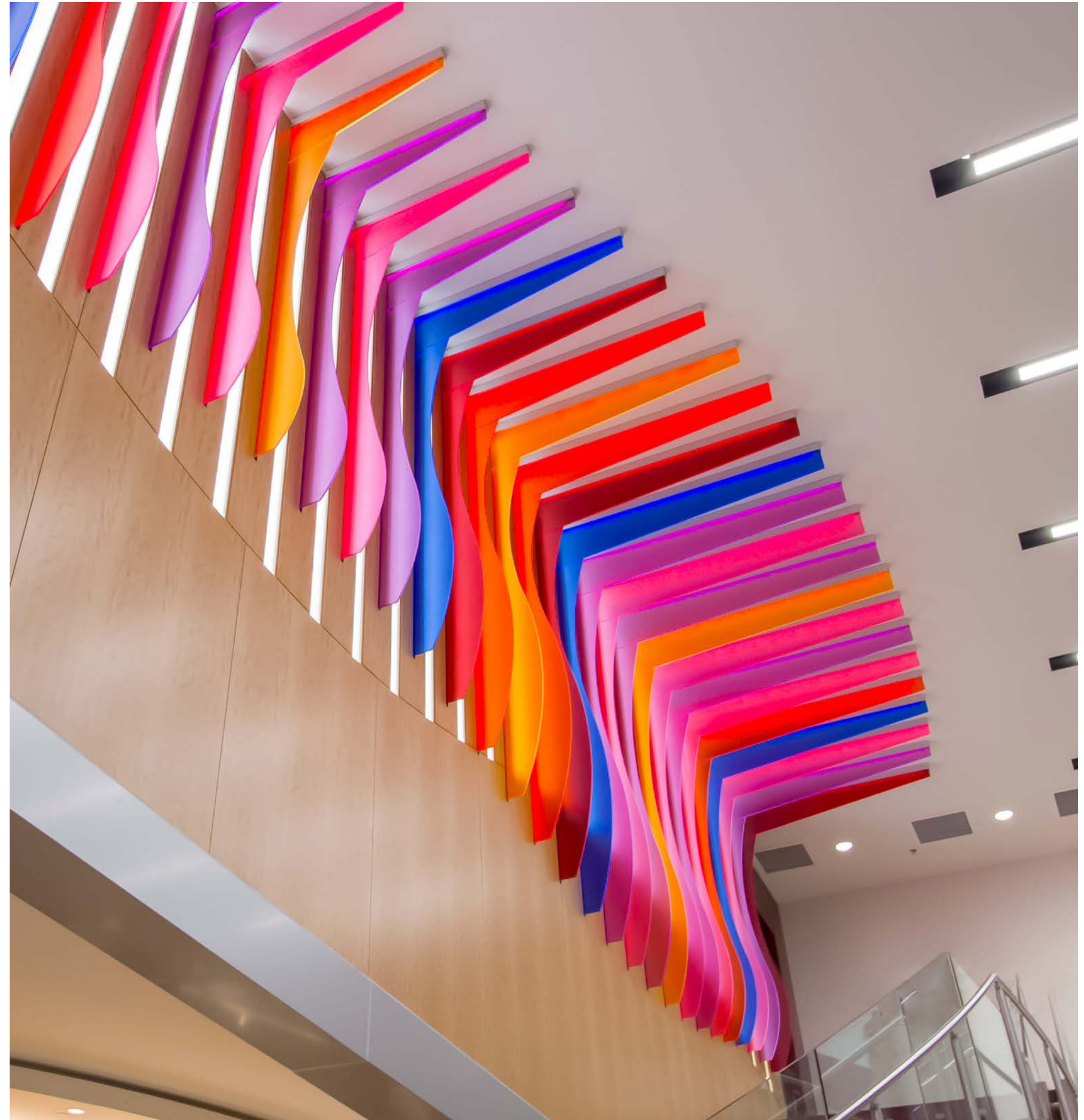
Material | Varia
Color | Linea Ivory + Powder
Cirque + Powder

 Color

Saturation, hue and vibrancy. 3form offers a vast color system designers can use to get the exact color desired.

RBFCU

Material | Varia
Color | Custom Colors





Texture

Playing with texture adds dimension, depth and richness to any environment.

Material | Varia
Pattern | Split
Color | Whiskey



 Dimension

Create depth and dimension to draw focus to a space.

Concordia Publishing House

Material | Profile
Pattern | Crest



Scale

3form digital printing capability provides high resolutions prints that can range from sophisticated and refined to bold and inviting.

Morimoto
Cunningham Group

Material | Varia
Color | Digital Print

Formable

Simple shapes or complex geometries.
3form can cut it, carve it, or mold it.



High Point University Helix
Walter Robb Callahan and Pierce

Material | Varia
Color | Powder + Glacier

Photography | Adam Westler



||| Acoustic

3form's absorptive materials create spaces that look and sound amazing while providing working tackable spaces for the office environment.

Material | Sola Felt
Product | Hush Blocks
Color | Nickel
Mineral
Ebony

🛡️ Durable

3form materials that withstand high traffic areas and are long-lasting without sacrificing design.



Hubbard Center for Children
HDR

Material | Varia
Pattern | Digital Print



Weatherable

Incredibly durable. 3form has solutions for decorative building exteriors, signage and landscape features, engineered to withstand outdoor elements over time.

Highpoint Climbing and Fitness
River Street Architecture

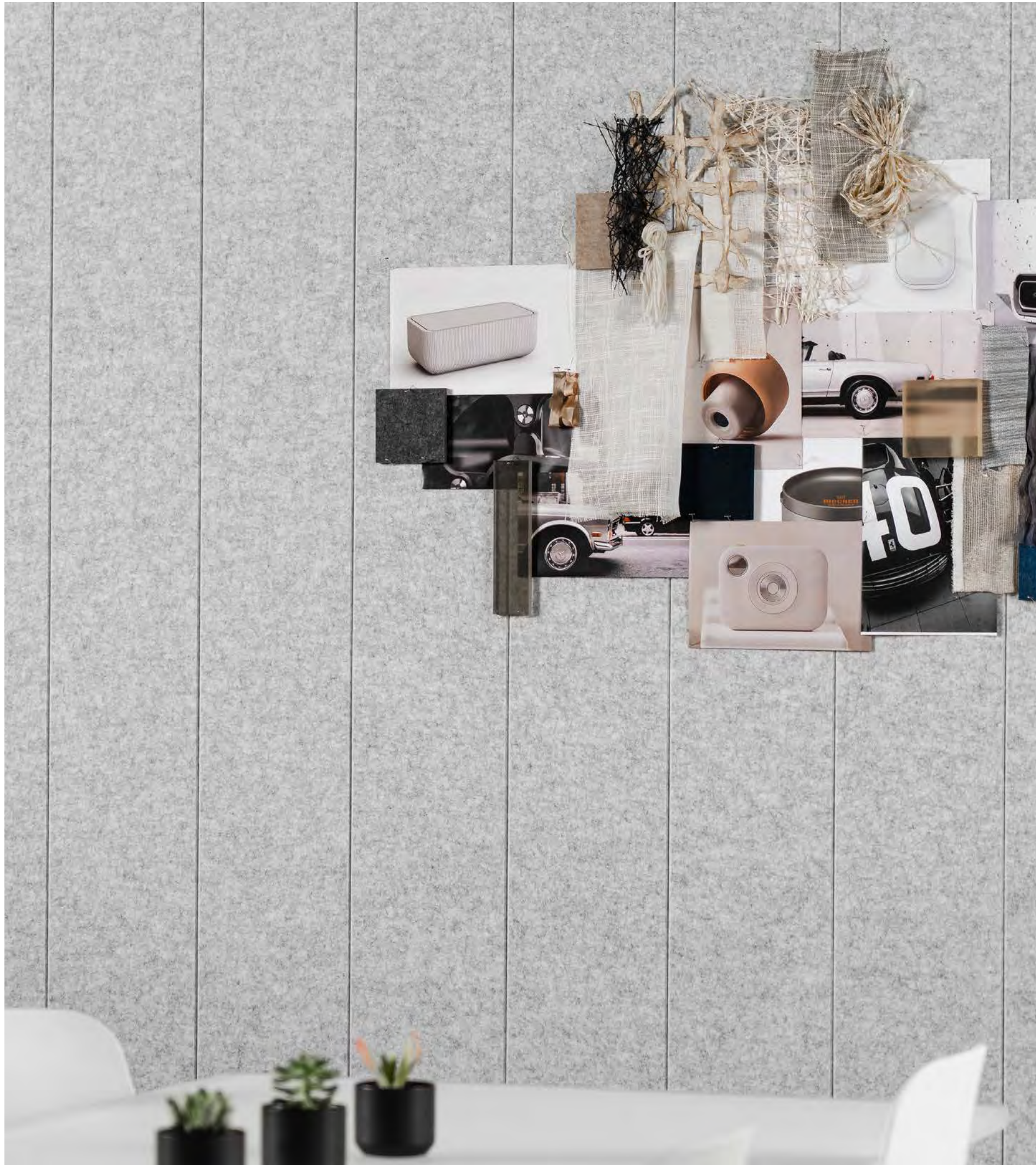
Material | Koda XT
Color | Surf



Writeable

Take note. 3form has a wide range of high-quality markerboards and writeable surfaces to meet any collaborative needs.

Material | Glass
Color | Chalk



 **Tackable**







Stick a pin in it. 3form acoustic materials are multi-functional, providing both sound absorbing performance as well as collaborative work areas.

Material | Sola Felt
Product | Hush Clad
Pattern | Vim Wide Vertical
Color | Nickel



Varia

Formable translucent resin that lets you play with endless combinations of patterns, colors and textures.

-  Formable
-  Translucent
-  Color
-  Texture
-  Scale
-  Illuminated

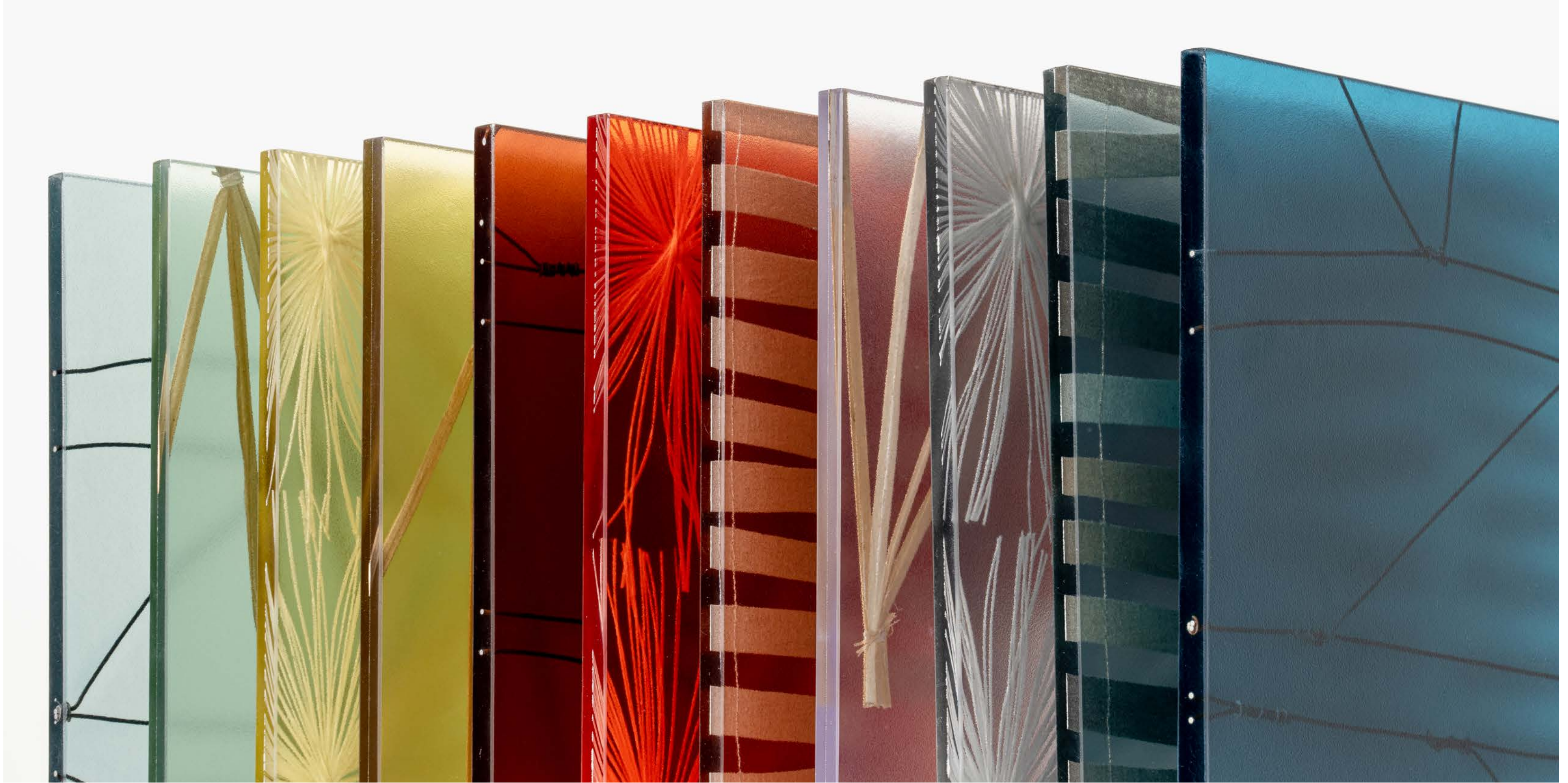


Clearly Versatile

Varia, the first bonded resin panel on the market with unlimited design options.

As pioneers of this amazing material, we have many years of experience molding, forming, cutting and shaping it to match any design you have in mind. We can also add color, produce large scale digital prints, add texture and more. The options are endless and we have the experts on staff to ensure the execution is flawless.

Pattern | Flek
Colors | Pure
Bask
Crescent
Charge



View all options at 3-form.com/samples

Endless Combinations

Original materials
in stunning configurations.

Varia can carry one or more interlayers encapsulated between its sheets. We can add layers upon layers. We can embed colors, organics and textiles. We can even print graphic patterns or custom digital prints.

Responsible for a Lifetime

Varia is green every step of the way.

Varia is made of 40% pre-consumer recycled content. Once in your space, it is a beautiful, durable, and easily cleaned material that will last and last. But should you decide that you're ready for something different, 3form will take back Varia panels for creating new panels of Flek.

Through a system of grinding and optical sorting, we can turn them our most sustainable product yet. Flek Pure is made with 100% reclaimed panels, returned samples, and factory edge trimmings. Flek is also available in multiple colorways with up to 92% recycled material.



Pattern | Flek
Colors | Charge

Photography | Derek Irenson

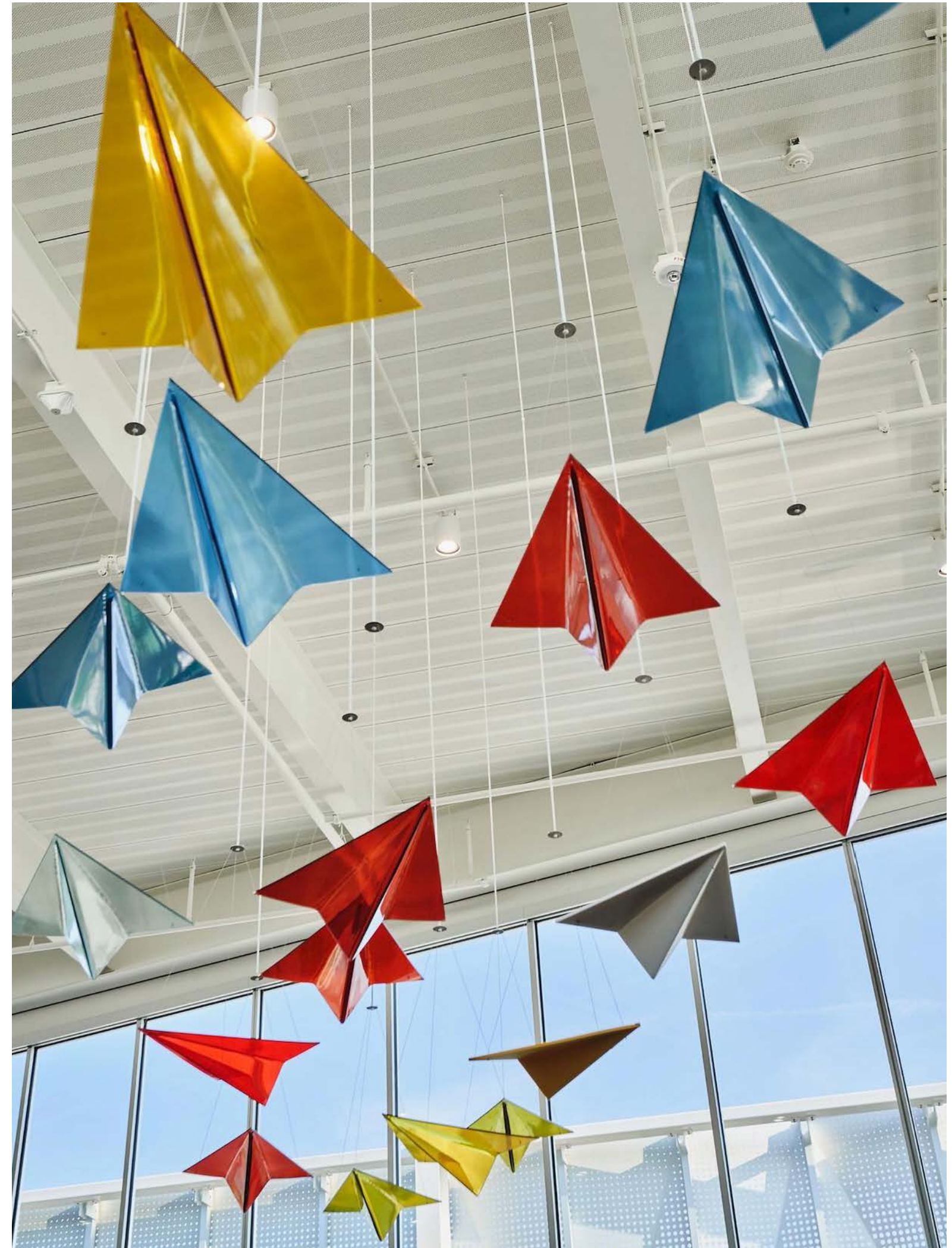


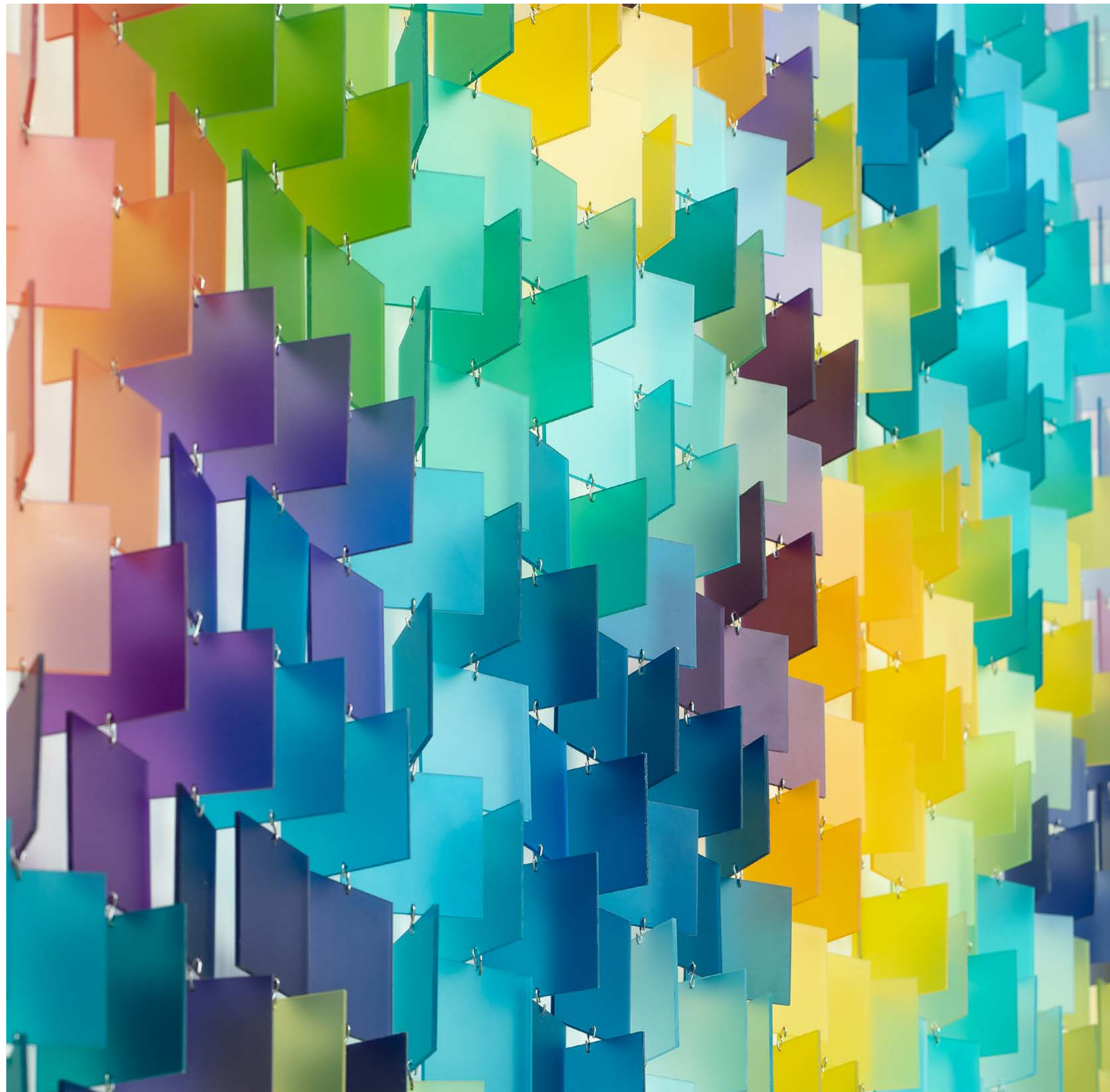
Let Creativity Fly

Varia can be cold bent on-site for simple curves or heat formed for more complex designs. We also offer custom forms and joints to bring your design concept to reality.

Mid-Continent Public Library
Helix

Colors | Denim
Pier
Buoyant
Paprika
Cranberry
Gypsy
Vegan
Sunnyside





Advocate Cancer Institute
Leilani Schweitzer

Color | Multi-color



L'Occitane
School House

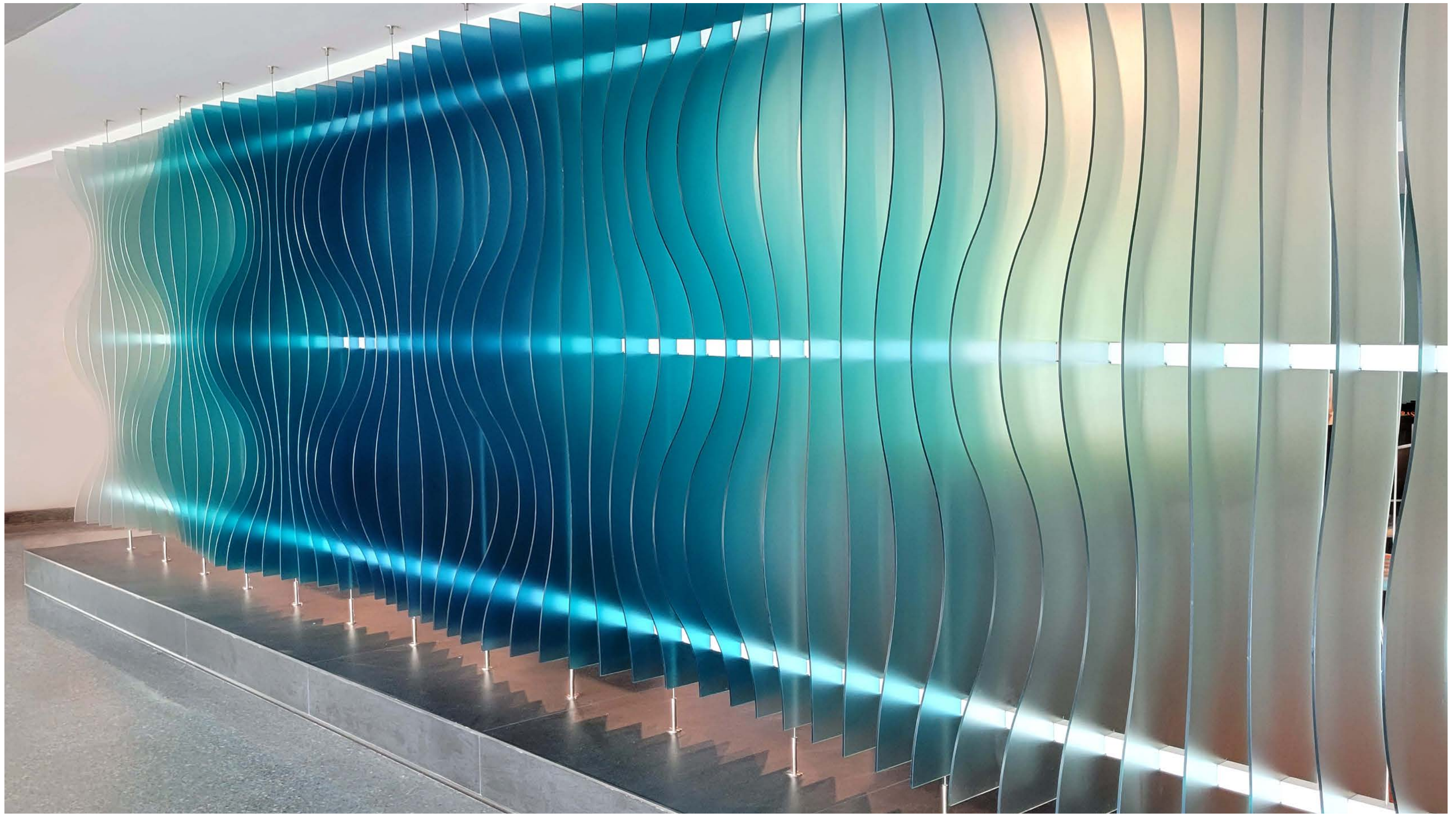
Color | Chirp



Pattern | Horizon
Color | Day



Graphic Pattern | Heartwood Digital Print
Scale | Custom



William Paterson University Commons
Clarke Caton Hintz

Product | Edge
Color | Seahorse
Buoyant
Cayman
Harbor
Poseidon

Design Options

Varia is extremely versatile.

1. Texture and Finish

Applied to the front or back of a panel you can add dimension and depth with textures or control scratch-resistance and translucency with finishes.

2. Patterns

We have over 750 colors and patterns, or you can create your own custom panels.

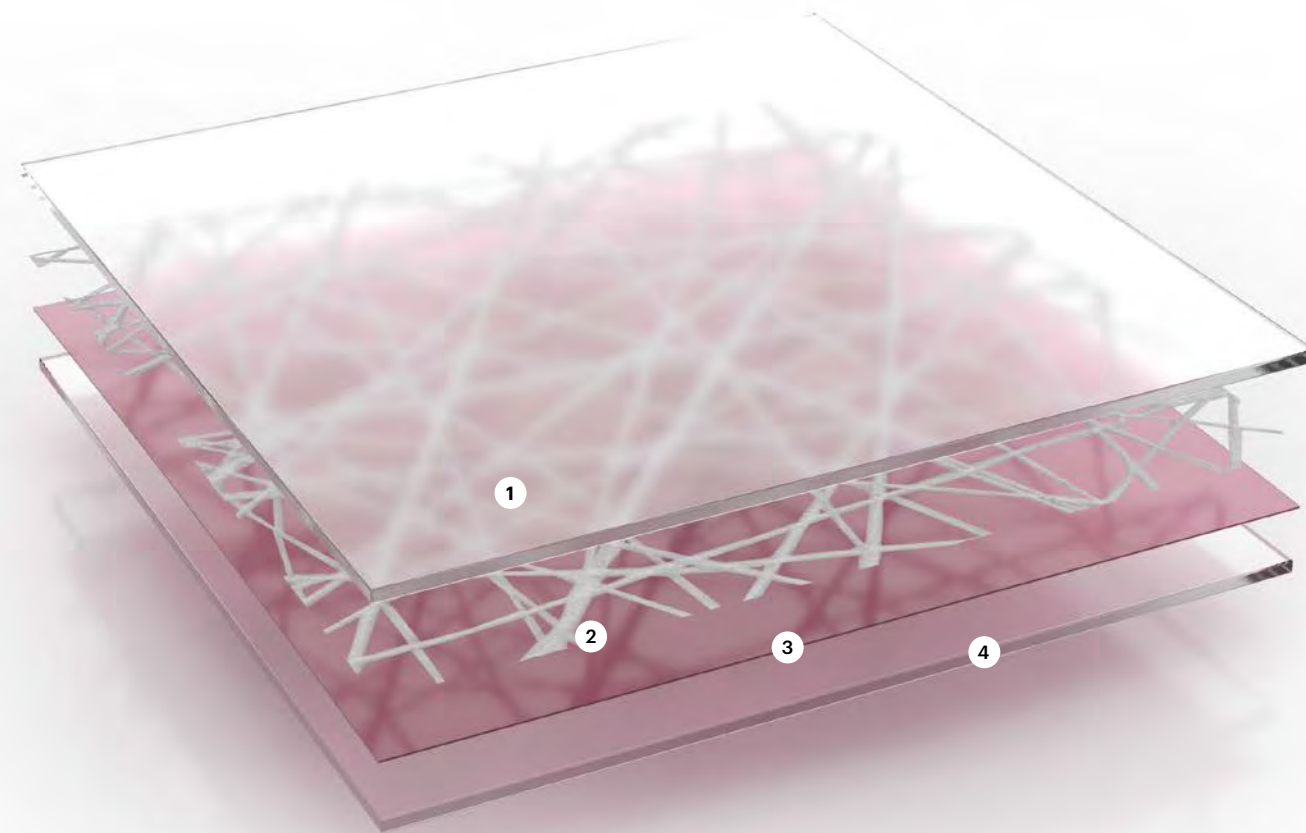
Check out 3-form.com/samples for more.

3. Endless Colors

Pick from our carefully curated portfolio of 250+ colors, or color match within your existing environment or brand

4. Diffusion and Effects

Control opacity, light and reflectivity. Decide how much light you want to let through your panel.



Material Details

Panel Sizes	48" x 96", 48" x 120"
Gauges	1/16", 1/8", 3/16", 1/4", 3/8", 1/2", 3/4", 1"
Fire Rating	Class A: 1/16", 1/8", 3/16", 1" Class B: 1/4", 3/8", 1/2", 3/4"

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Properties

Optical Clarity

Good optical clarity with some visual softening inherent in the material.

Impact Strength

Good impact strength. Can withstand moderate to heavy impacts (88 J/m or 1.7 ft. lb./in at room temperature).

Chemical Resistance

Resistant to most common cleaning solvents. Not resistant to strong solvents, highly alkaline or abrasive cleaning agents.

Formability

Highly formable material can produce simple or complex shapes. Minimum heat forming radius approximately 6X gauge (depending on interlayer).

Affordability

Multiple cost effective applications available.

Cold Bending

Can be cold bent on-site with moderate single radius applications.

Readily Recyclable

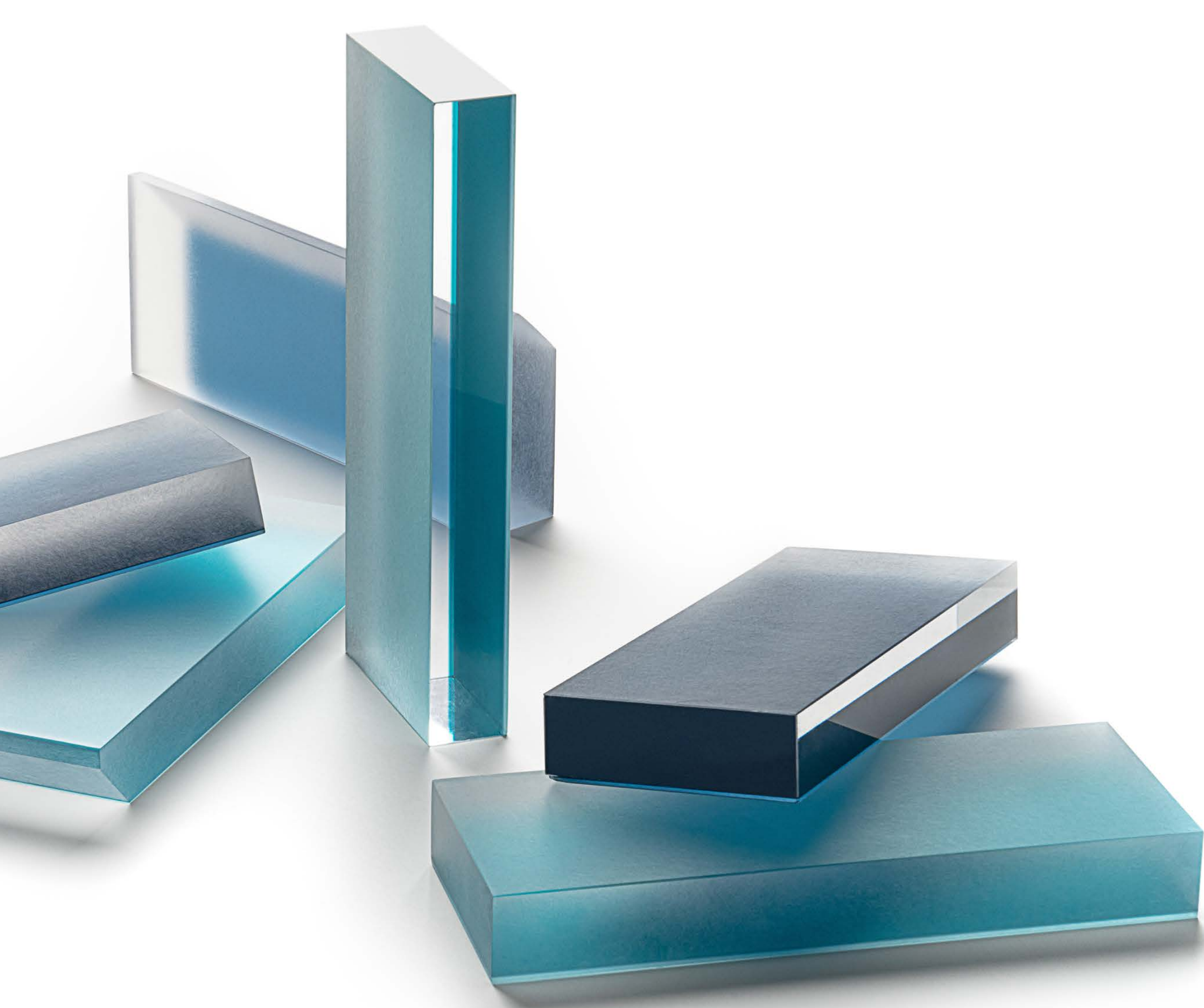
Easy to recycle and/or return to 3form.

Complex Fabrication

Excellent complex fabrications options available. Multiple joinery, seams and cutting options. Multiple forming and mounting options.






For complete specification options check out the appendix or go to 3-form.com/varia

* Not all patterns are available in all gauges or panel sizes. Contact your Materials Consultant for details.



Chroma

Optical grade resin engineered for high clarity and light transmission.

-  Formable
-  Translucent
-  Illuminated
-  Color
-  Weatherable



Clearly Vibrant

Chroma is a thick, durable resin that was engineered for tables, benches, boxes, counters and illuminated features. Chroma's natural glow gives new dimension to any of our 250+ colors or your own custom shade. Add a backlight or edgelight to Chroma to make your project really pop.

Colors | Crescent
Bask
Cinema
Crystalline
Aura
Deep Ocean



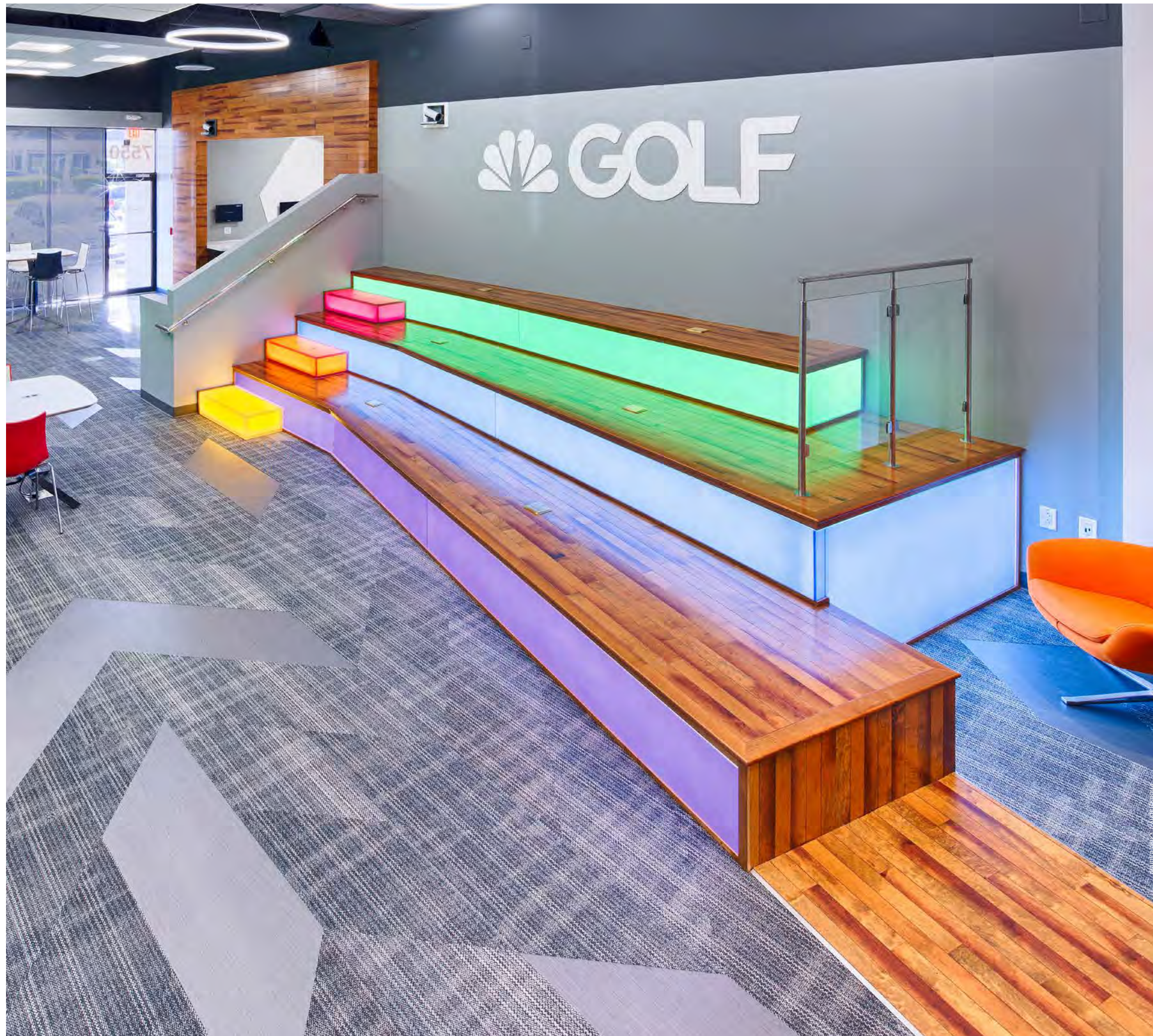
Switch It On

Clearly Glowing.

Nothing carries light quite like Chroma. Make it glow with a hundred colors, or just one.

Absorb
Kasian

Color | Powder
Lighting | RGB



Ready, Set, Refresh.

Chroma's renewable finish keeps it looking beautiful throughout its long life.

Chroma can be specified with a durable vellum finish that can be easily refinished in-field throughout its lifetime.

That means your Chroma can always look as good as it did the day it was installed with virtually no downtime.

Golf Channel Workshop
Walker Design LLC

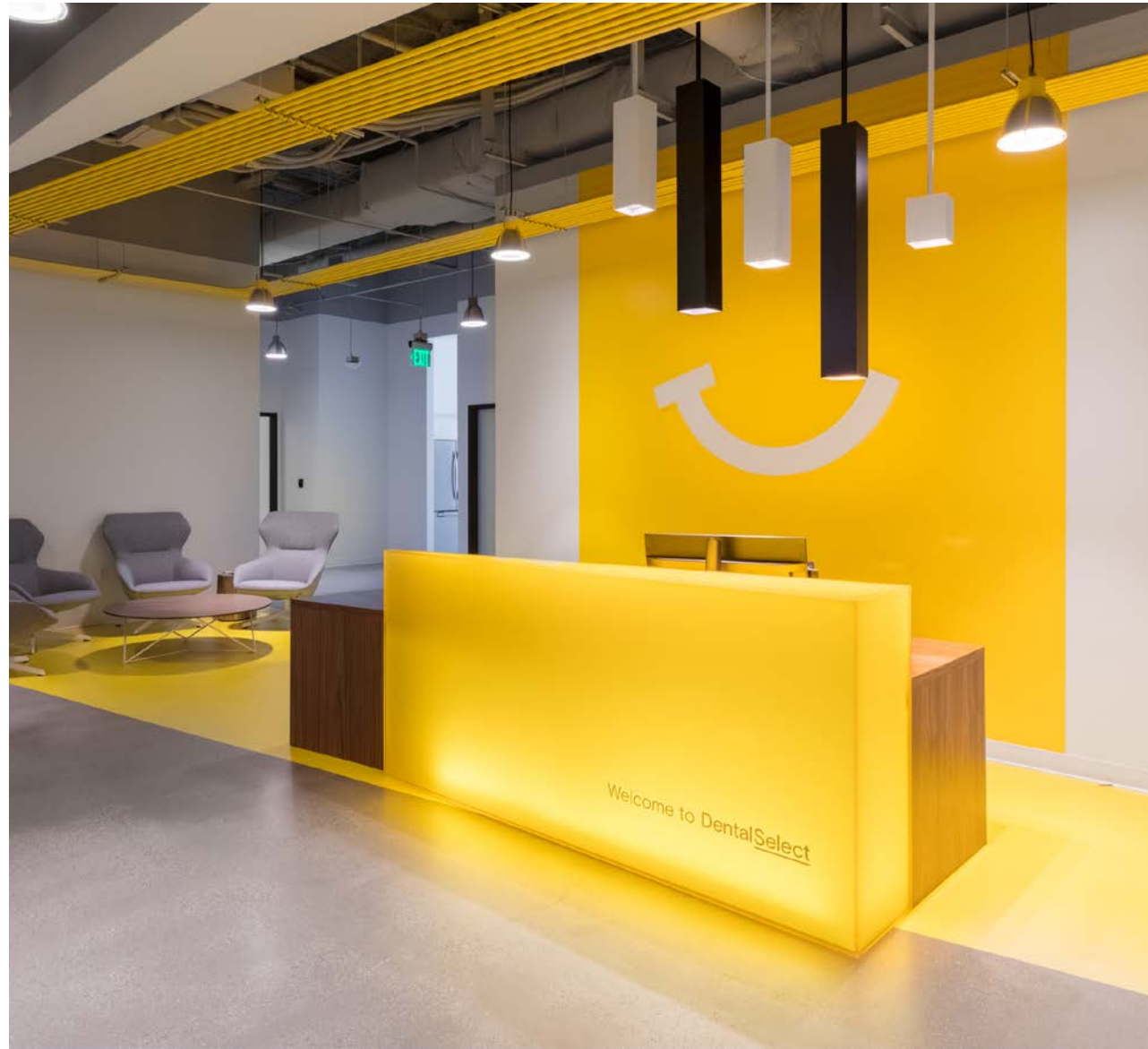
Colors | Lavender + Powder
Pier + Powder
Shamrock + Powder
Taffy + Powder
Persimmon + Powder
Sunnyside + Powder

Lighting | Backlight



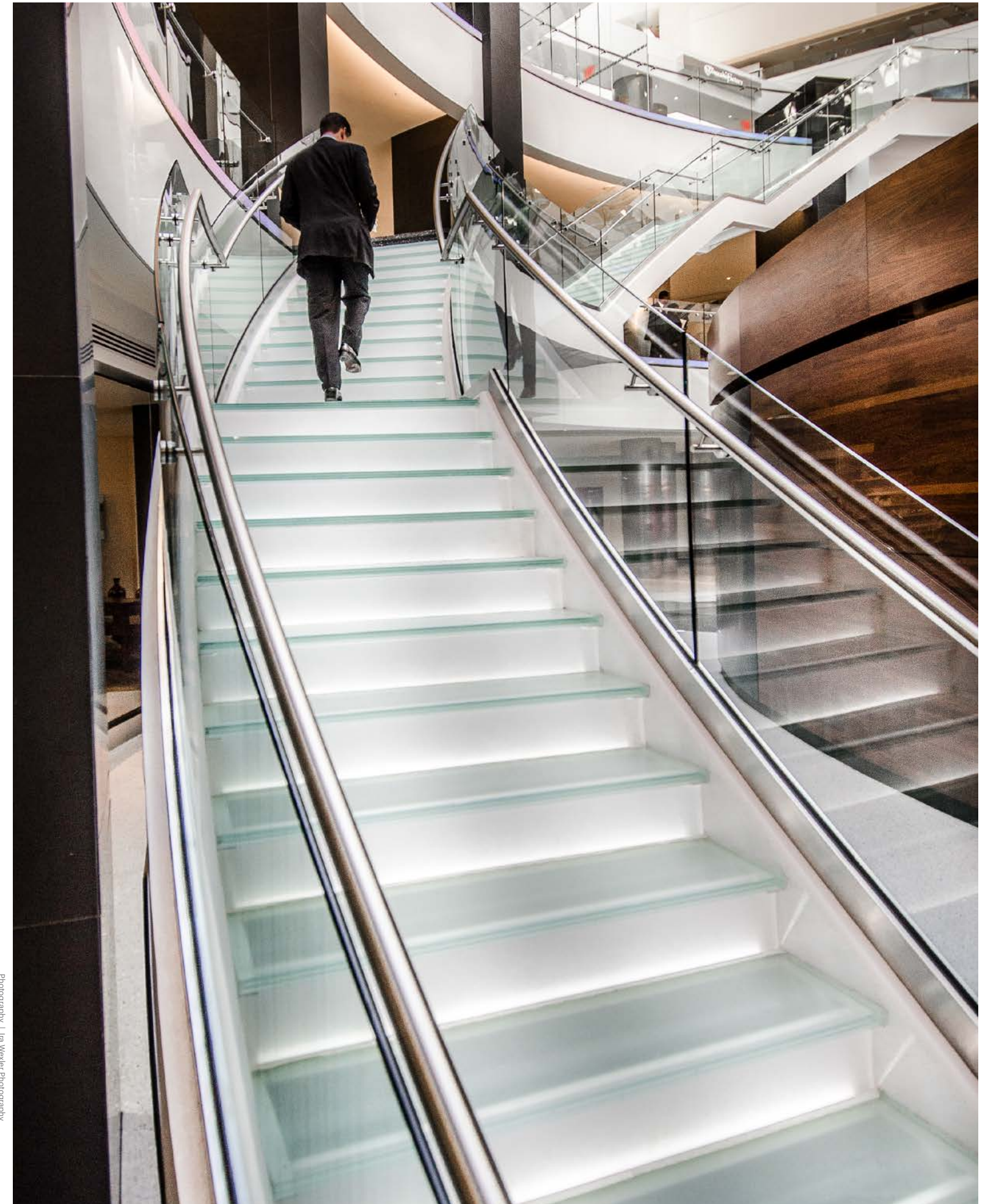
Seattle's Best Coffee
Chadbourne + Doss Architects

Color | Cranberry



Dental Select
Granite Mill & Fixture Co.

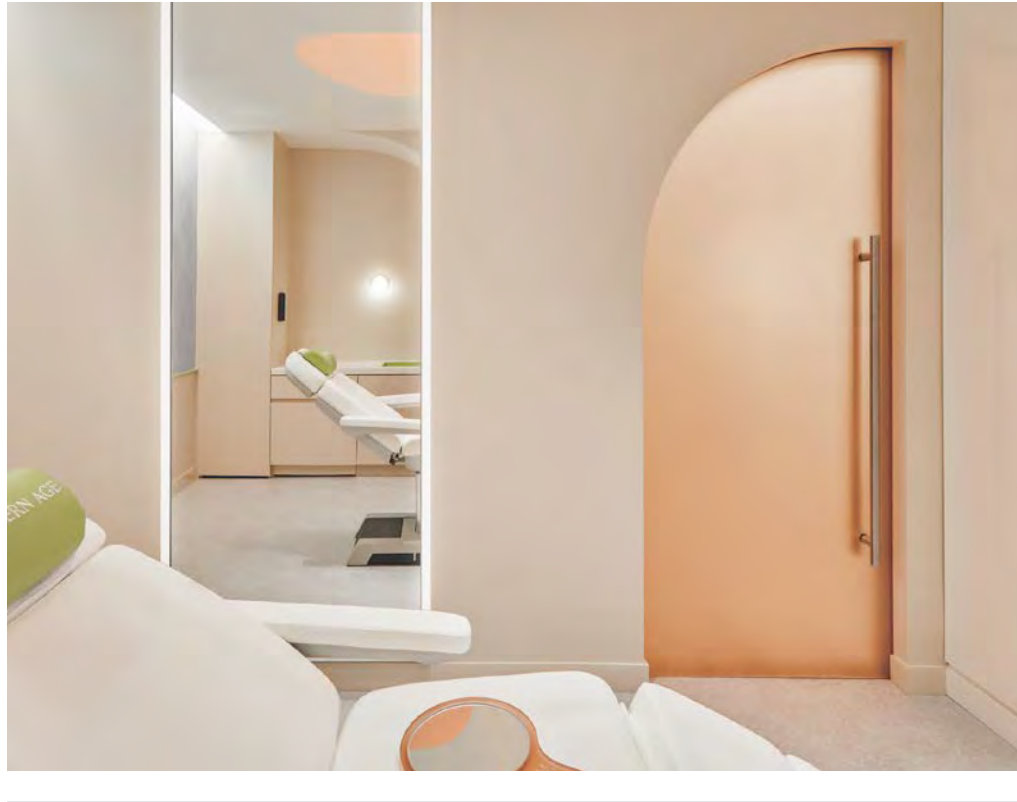
Color | Daisy



Photography | Ira Weiler Photography

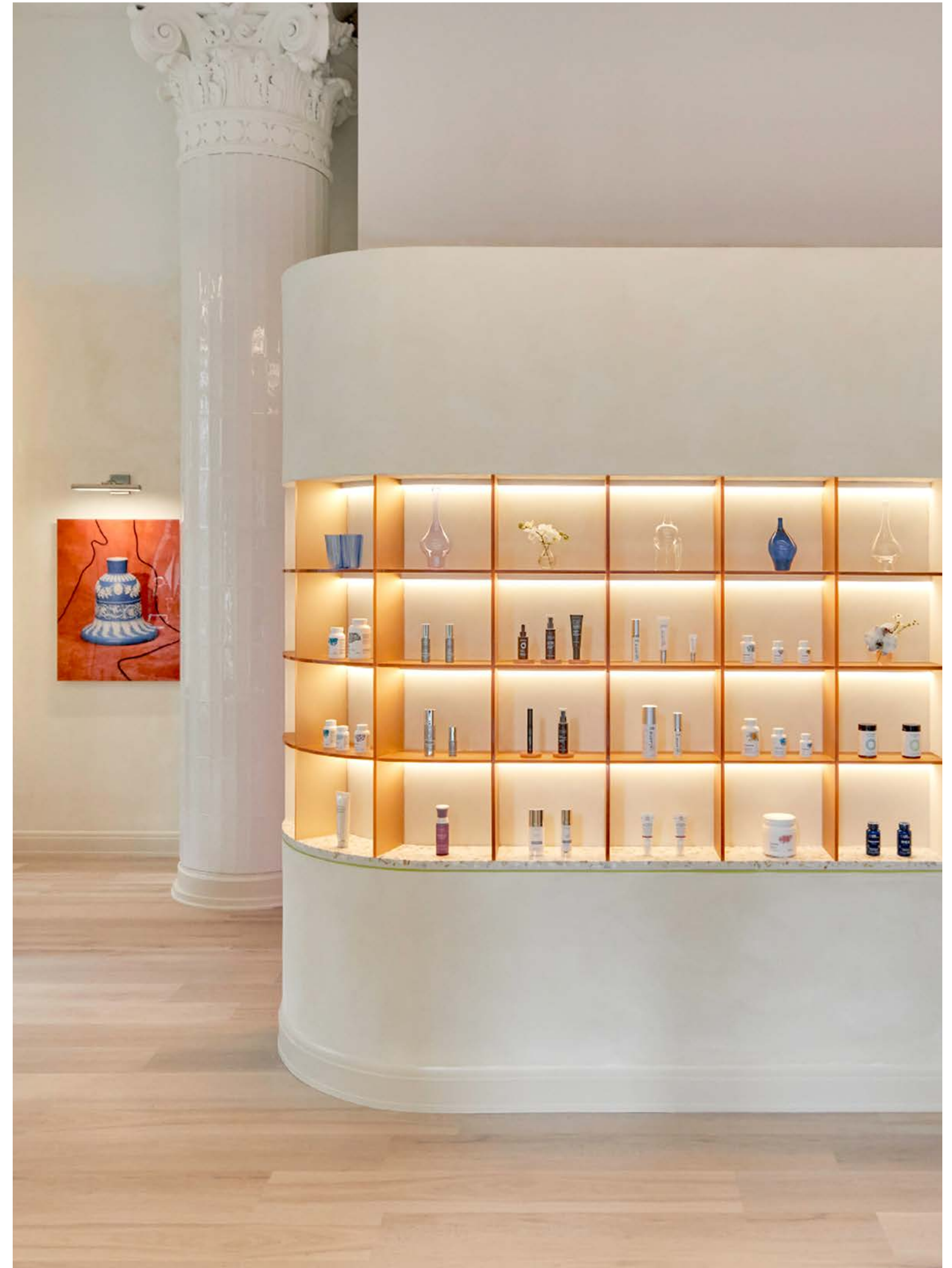
Chevy Chase Pavilion
Streetsense

Color | Ghost



Modern Age
Madelynn Ringo

Color | Crystalline



Design Options

Chroma can make your project shine.

1. Finish

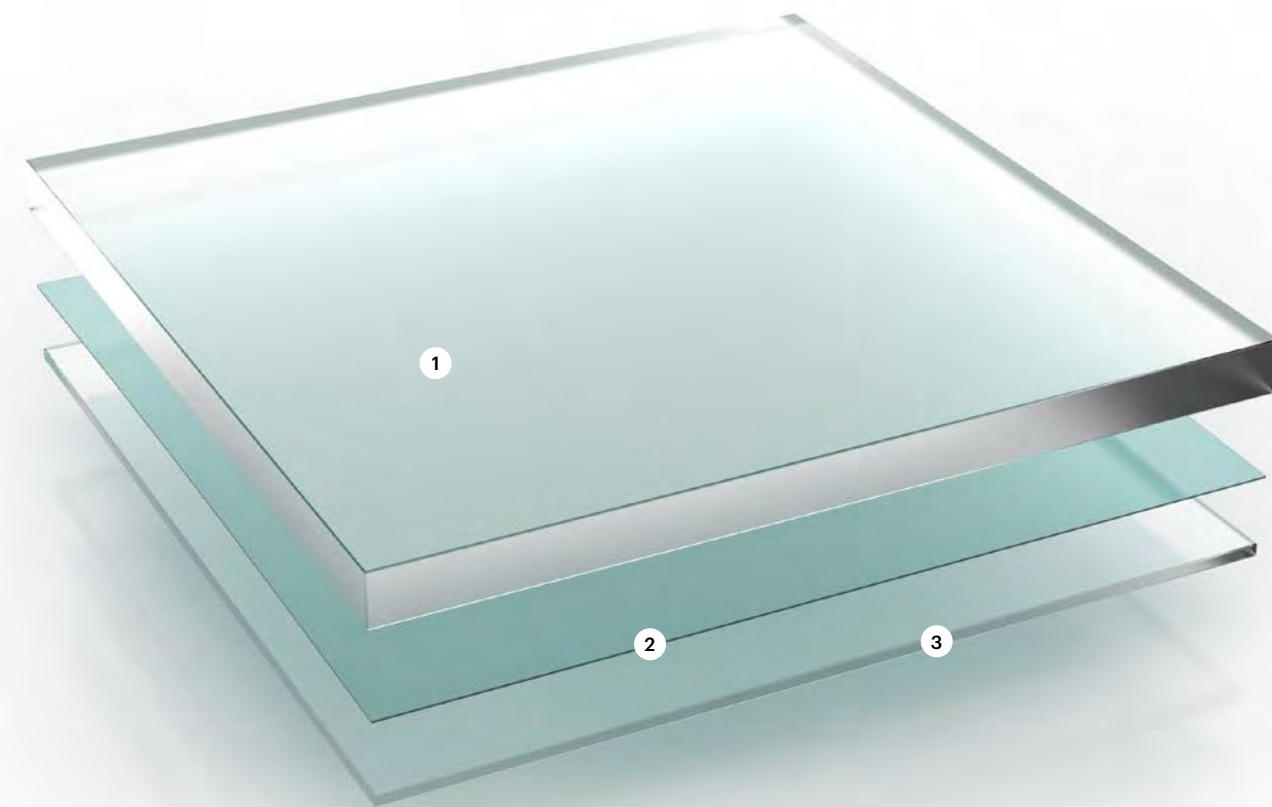
Applied to the front or back of a panel, you can add scratch-resistance and translucency

2. Endless Colors

Pick from our carefully curated portfolio of 250+ colors, or color match within your existing environment or brand

3. Diffusion and Effects

Control opacity, light and reflectivity. Decide how much light you want to let through your panel.



Material Details

Panel Sizes 48" x 96", 48" x 120"

Gauges 1/2", 1", 2"

Fire Rating Class C

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Properties

Optical Clarity

Excellent optical clarity. 1.49 D542 Refractive index, 92% Light Transmission, <1% haze, Can be modified with a variety of diffusion and effects.

Formability

Highly formable material can produce simple or complex shapes. Minimum heatforming radius of 4" at 1/2" gauge

Abrasion Resistance

Good Abrasion resistance. 48 Barcol hardness, Rockwell M-93 hardness. Vellum finish can be completely refinished

Rigidity

Highly rigid material. Stable and sturdy enough for horizontal solutions.

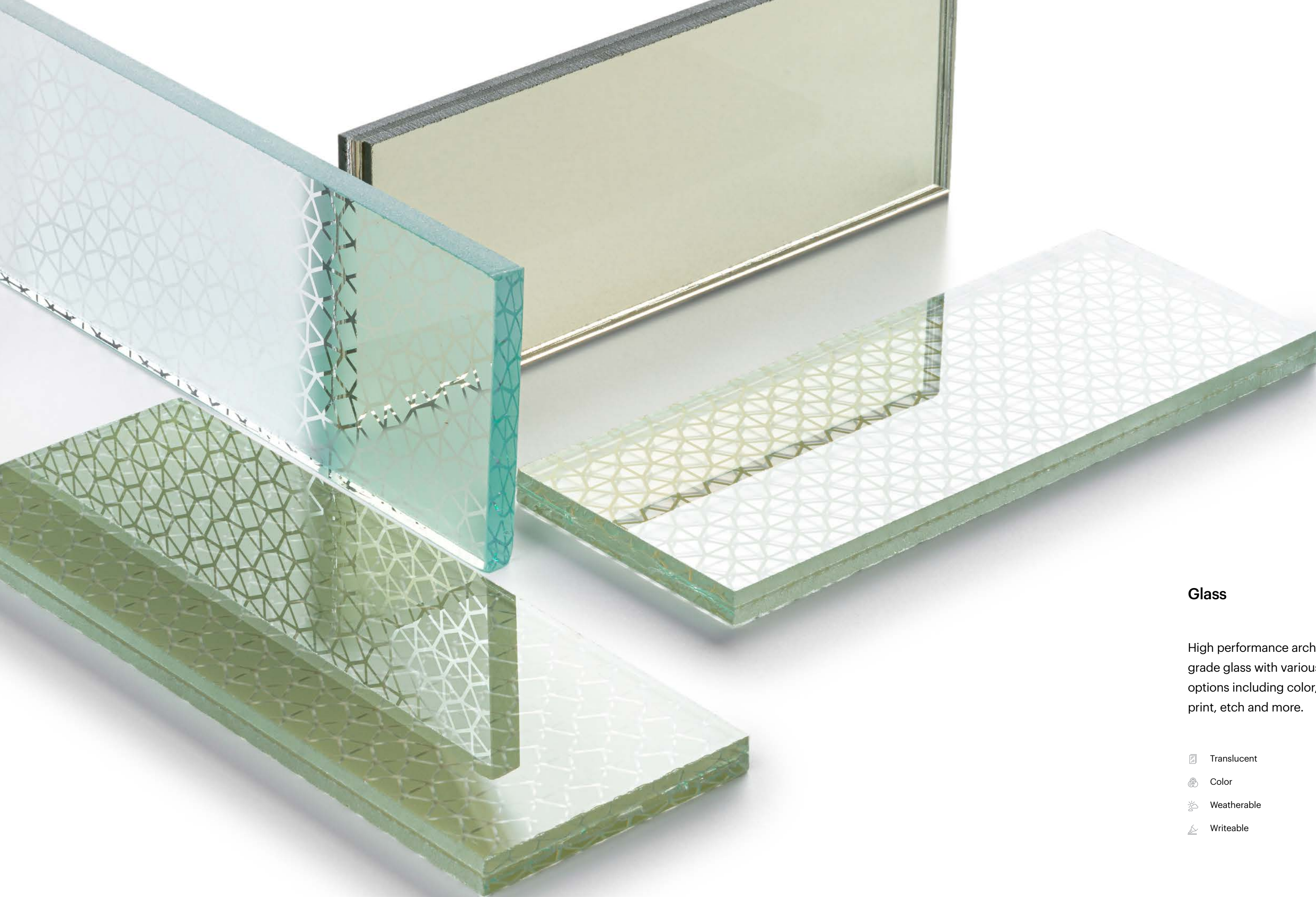
UV Resistance

Excellent UV resistance with no color or light transmission change in 10+ years of outdoor exposure.

High Service Temperature





Can withstand relatively high service temperatures (up to 180°F/82°C).

For complete specification options check out the appendix or go to 3-form.com/chroma



Glass

High performance architectural-grade glass with various design options including color, digital print, etch and more.

-  Translucent
-  Color
-  Weatherable
-  Writeable



Clearly Classic

Glass is a classic material but our glass comes with the 3form expertise, adding color, digital prints, graphic patterns, etched patterns and more. We have the technology and knowledge to pull off any design. All of our glass is tempered and meets safety requirements for indoor or outdoor use.

Color | Crater
Polar Sky
Laguna
Obsidian

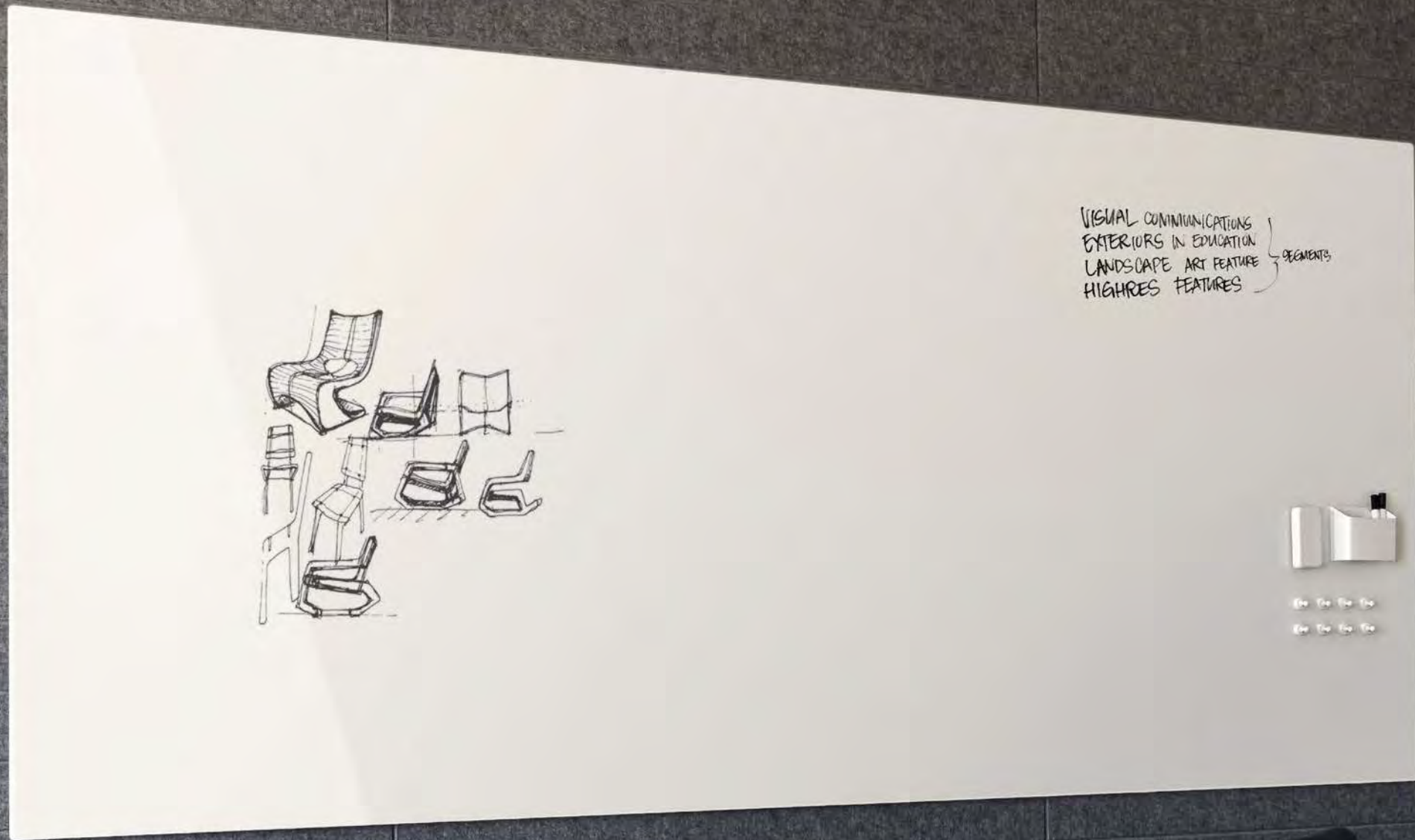
Etch

Add designs or patterns that feature monochromatic opacity with etched glass.

3form's Graphic Patterns can be infinitely scaled and etched to add a monochromatic opacity to our laminated and monolithic glass surfaces to add texture and visual privacy.

Pattern | Horizon Etch
Color | Meteorite





Writeable

Design and function all in one.

Our glass is durable and cleanable, making it the perfect writing surface. Choose from a variety of colors or standard prints to bring it to the next level.

Product | Glass Markerboard
Color | Chalk



Pattern | Aspen Etch
Scale | C



Inspira Health
Array Architects

Pattern | Digital Print



Beazely
Gensler NY

Color | Cobalt
Sassy
Surf
Moss

Photography | David Joseph

Design Options

A classic material with a modern twist.
Make 3form glass uniquely yours.

1. Endless Colors

Pick from our carefully curated portfolio of 250+ colors, or color match within your existing environment or brand

2. Etched Glass

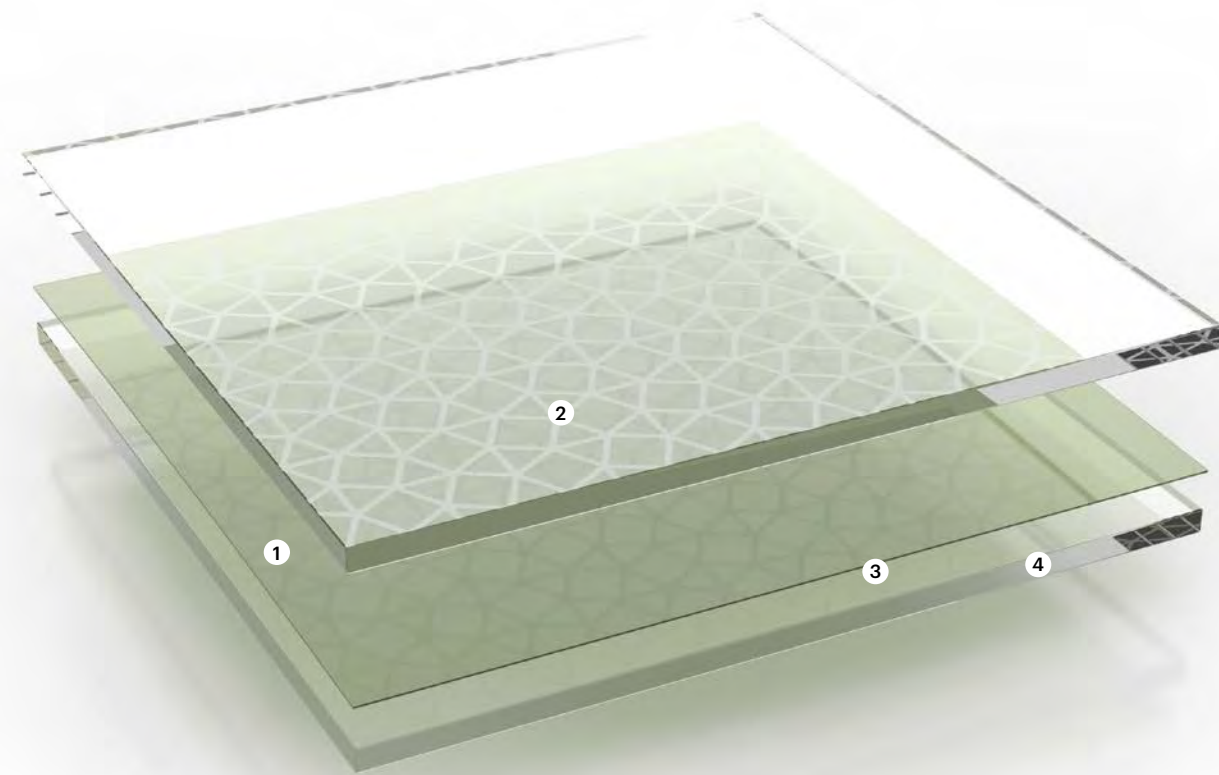
We've created hundreds of graphic patterns that can be etched onto our monolithic or laminated glass. We can work with any custom pattern you have as well.

3. Digital Printing

Pick from our library of ultra high resolution images or create your own for laminated glass. Our process will keep your images crisp and clear.

4. Clear Float or Low Iron

All glass can be specified with low-iron or clear-float. Low iron glass is engineered to provide a crystal clear glass that doesn't alter the look of the design. Clear float gives that classic glass look with the slightly greenish hue natural to glass.



Material Details

Panel Sizes	Laminated Glass †: Up to 48" x 120" Monolithic Glass ‡: Up to 60" x 120"
Gauges	Laminated Glass: 5/16", 7/16", 9/16", 13/16", 1 1/16" Monolithic Glass: 3/16", 1/4", 3/8", 1/2"
Fire Rating	Non-combustible surface

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Properties

Optical Clarity

Excellent optical clarity. Can showcase crisp aesthetic with interlayers.

Safety Glazing

3form Laminated Glass qualifies as safety glass and meets the requirements of ANSI Z971 Class A and CPSC 16 CFR 1201 Cat II.

Chemical Resistance

Excellent chemical resistance to most solvents. Polymeric layers in glazed solutions may have some reactivity in frameless applications.

Abrasion Resistance

Excellent abrasion resistance. Can withstand 585 kg/mm on the Knoop hardness scale.

UV Resistance

Laminated Glass interlayer screens 99% of UV light.

Rigidity

Excellent rigidity allows for long unsupported spans..

For complete specification options check out the appendix or go to 3-form.com/glass


† Laminated Glass is made to order with a minimum size of 12" x 12" and a maximum size of 48" x 120"

‡ Monolithic Glass is made to order with a minimum size of 12" x 12" and a maximum size of 60" x 120"
Not all interlayers are available in all gauges. Contact your Materials Consultant for details.

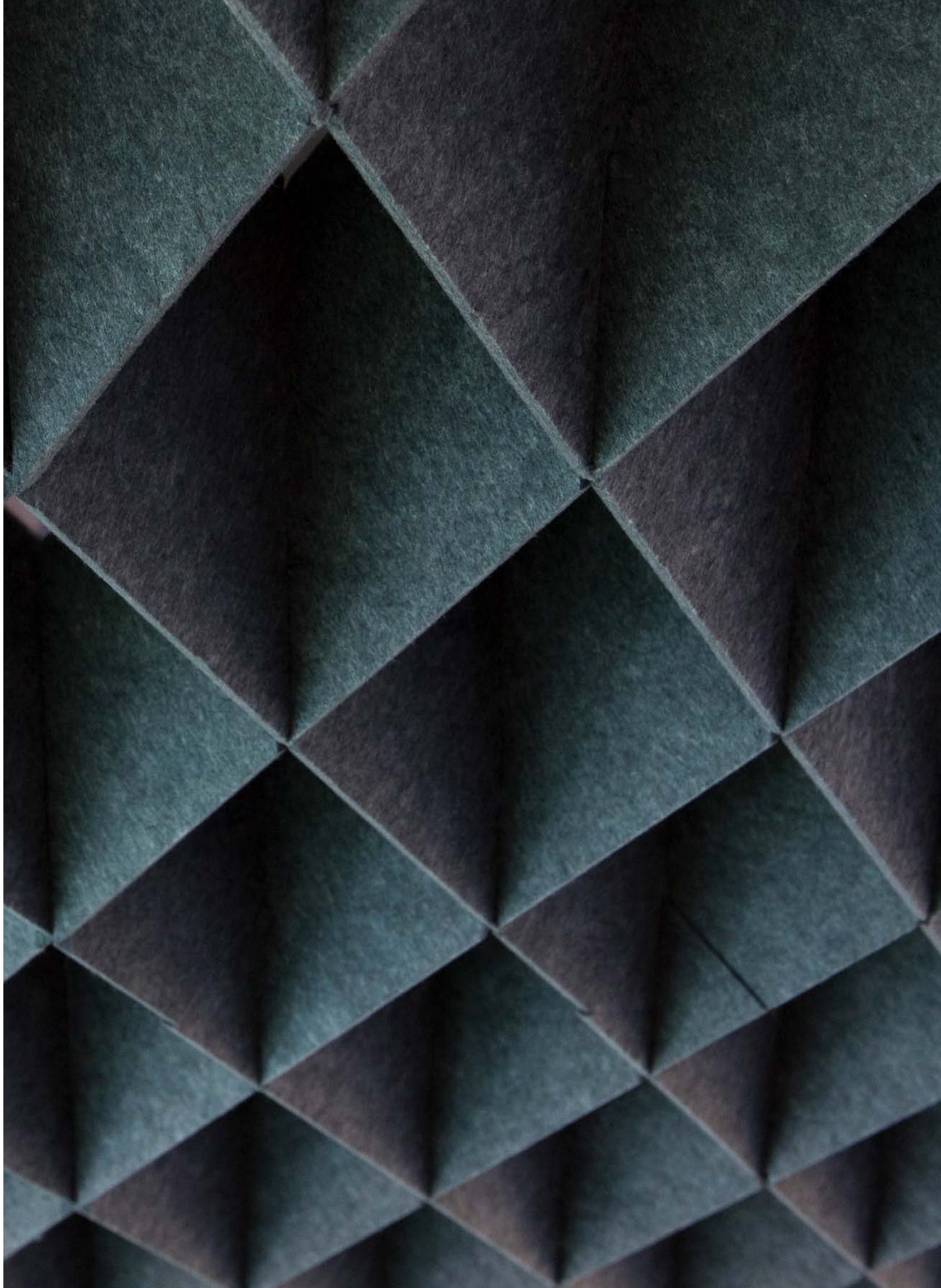


Sola Felt

Sound absorbing felt made from 50% post-consumer recycled material.

 Acoustic

 Tackable



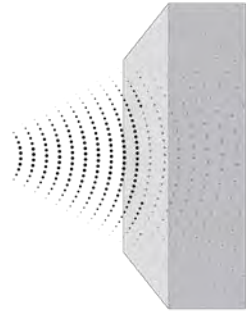
Clearly Quieter

Acoustics are key in today's environment. Our Sola Felt is made up of 50% post-consumer recycled material and our felt products were specifically designed for various spaces and needs. Each carries a tested and confirmed NRC rating so you can be sure to meet the needs of your customers and create a space people enjoy.

Product | Clario
Color | Cast

Control Sound

This sound absorptive material comes in a variety of designs and colors. All come with a tested and certified NRC rating to help you choose the right products for your space. We also have experts on staff that are highly trained in the science of acoustics that are ready to help you choose the right products for your space.



Absorption

Absorptive materials soften reverberation and dampen sound energy in a space. Absorption is ideal for loud conference rooms or open spaces where people congregate.

Product | Seeyond Straight Partition
Color | Admiral
Pattern | Tilt





Photography | Jessica Nozdling

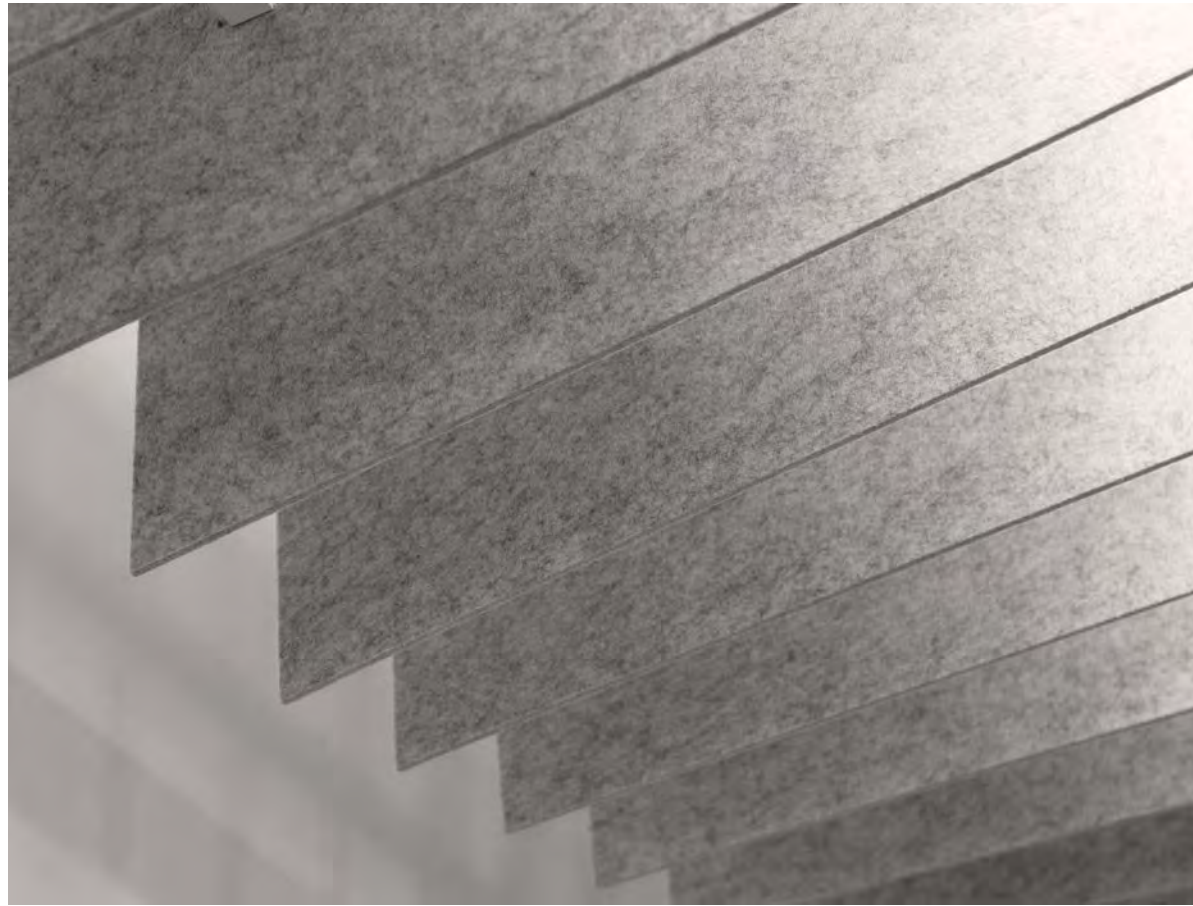


Century 21

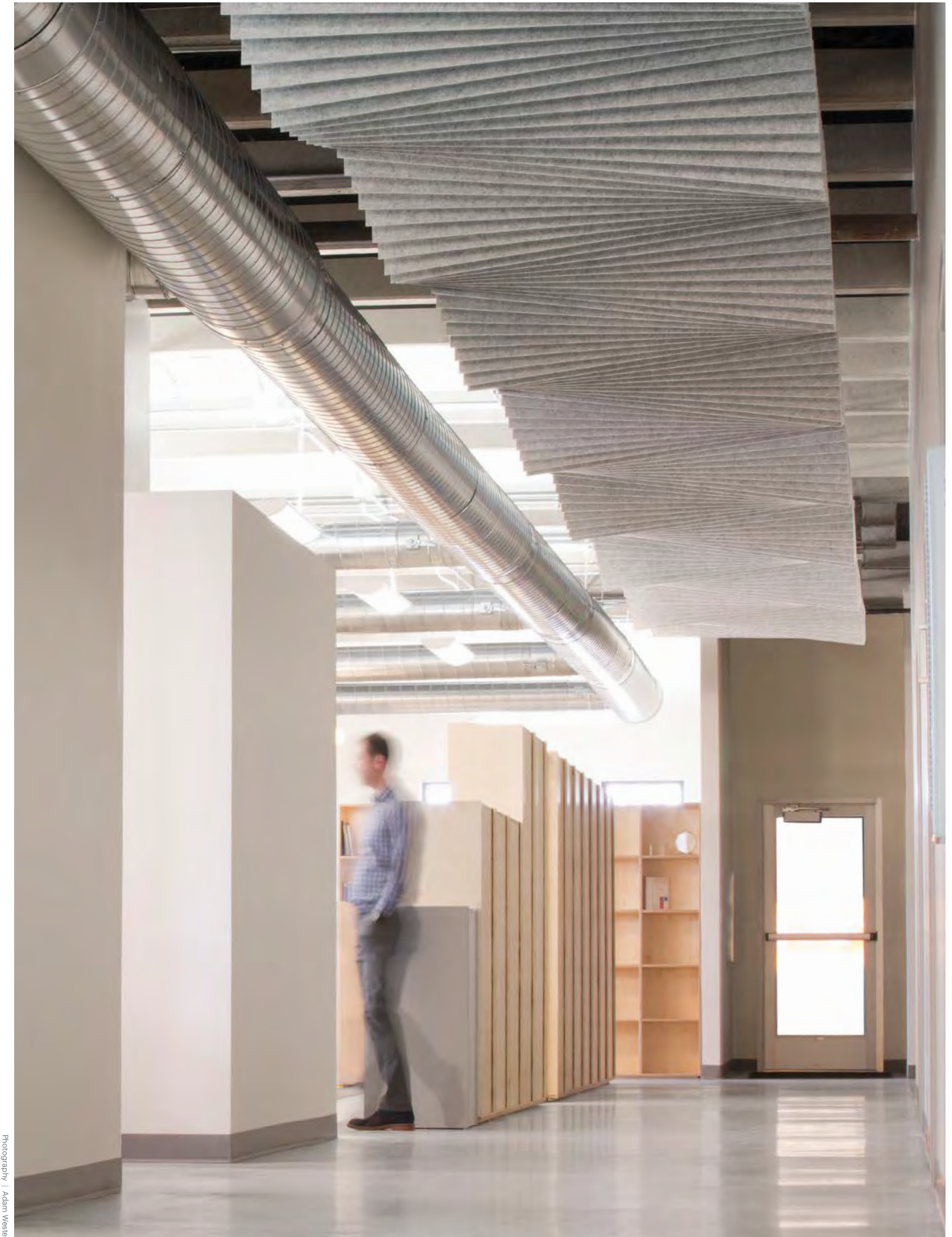
Product | Velo
Color | Citrine



Product | Hush Screen
Color | Steel Blue
Pattern | Maze



Product | Edge Ceiling Feature
Color | Nickel



Photography | Adam Westler



Kering
The Andersen Companies - Fairfield

Product | Divy
Color | Mineral
Pattern | Custom



Left Bank Restaurant
mulá design

Product | Clario
Color | Mineral
Dusk

Design Options

Acoustic and tackable.

1. 21 Colors

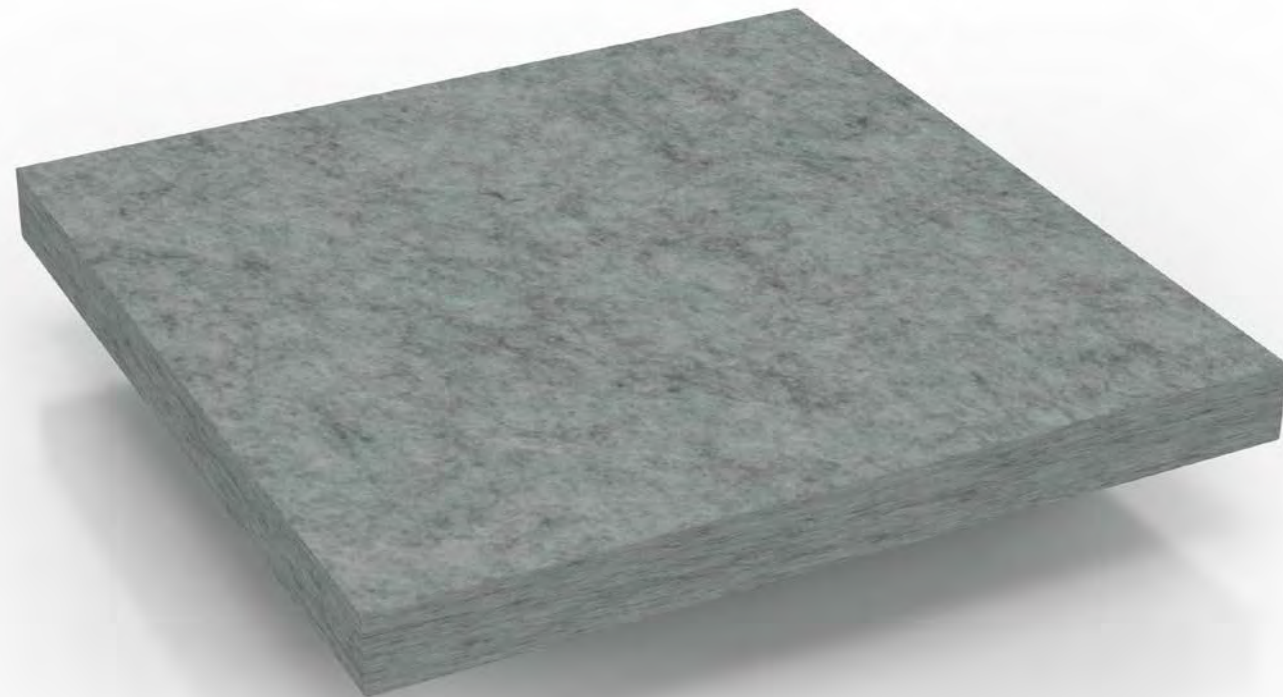
Pick from our carefully curated portfolio.

2. Application

Do you want in on the walls, on the ceiling, suspended, or somewhere in between?

3. Patterns

Choose from our modern cut patterns and see felt in a whole new way.



Material Details

Panel Sizes	44" x 96"		
Gauges	3/16", 1/4", 3/8"		
Fire Rating	Class A: 3/16", 1/4" Class B: 3/8"		
NRC	Clario .70 Edge .55 Clario Cloud .75 Velo .85	Divy .75 Hush Clad .35 Desk Partition .35	Seeyond 1.10 Hush Blocks .80 Tetria .90

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Properties

Noise Reduction

Excellent noise reduction qualities dampening ping and echo in interior applications.

Tackability

Excellent as a push-pin solution holding up to multiple continued uses.

Simple Fabrication

Can be cut on site with a sharp utility knife or drilled with a spade bit. Can be cold bent for simple bends with a minimum radius of 100x thickness.

Readily Recyclable



Made from recycled content can be easily returned to the recycle stream.

For complete specification options check out the appendix or go to 3-form.com/sola-felt



Profile

Engineered geometric tiles and panels with a variety of design options including pattern and color.

-  Color
-  Dimension



Clearly Dimensional

Profile comes in 2 formats: 4'x8' panels and small, modular tiles. Both formats can be specified with various wood finishes, colors, sheens and patterns. Profile can also be used in combination with Merino Felt and Profile tiles can add that additional touch to a space with create transitions or negative space.

Color | Gauntlet Gray
Panel Pattern | Ruffle (Desk)
Groove (Wall)

**Add Interest,
Not Hassle.**

Profile is easy to install, but even easier to specify. This simple system of geometric panels and tiles can be placed in a solid pattern or spread out organically leaving gorgeous negative space.

Profile is available in a range of colors and finishes from wood to Merino Felt.

Margaret & Weldon Ratliff Performance Center

Pattern | Verve
Color | Enamel Gray



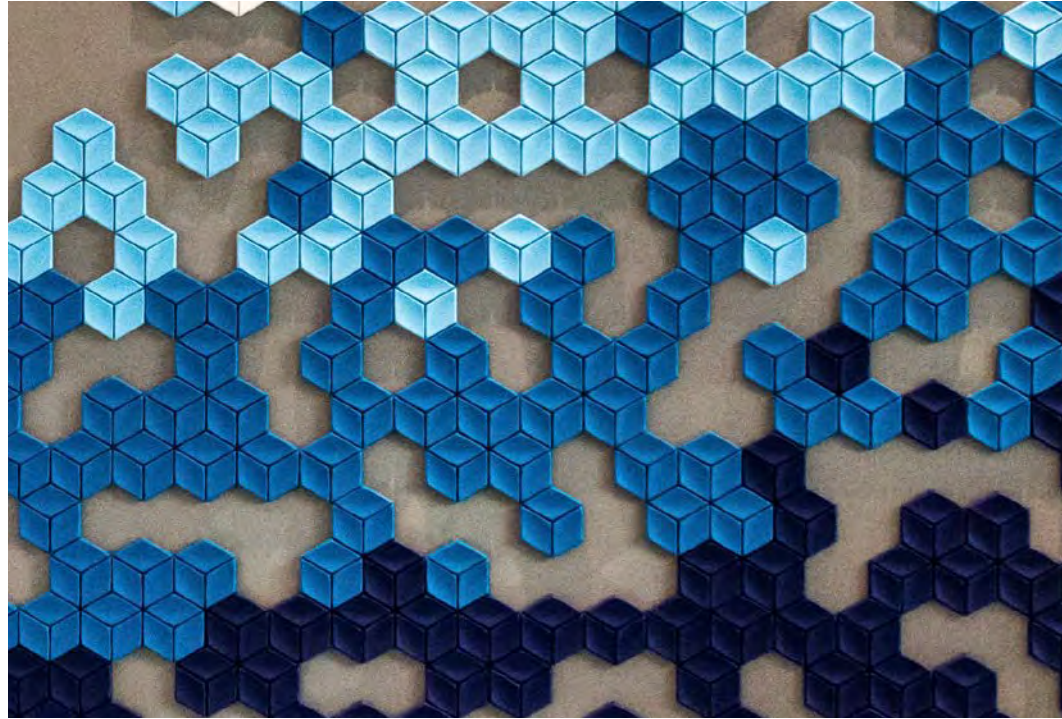


Photography | Stephanie Mullins Photography



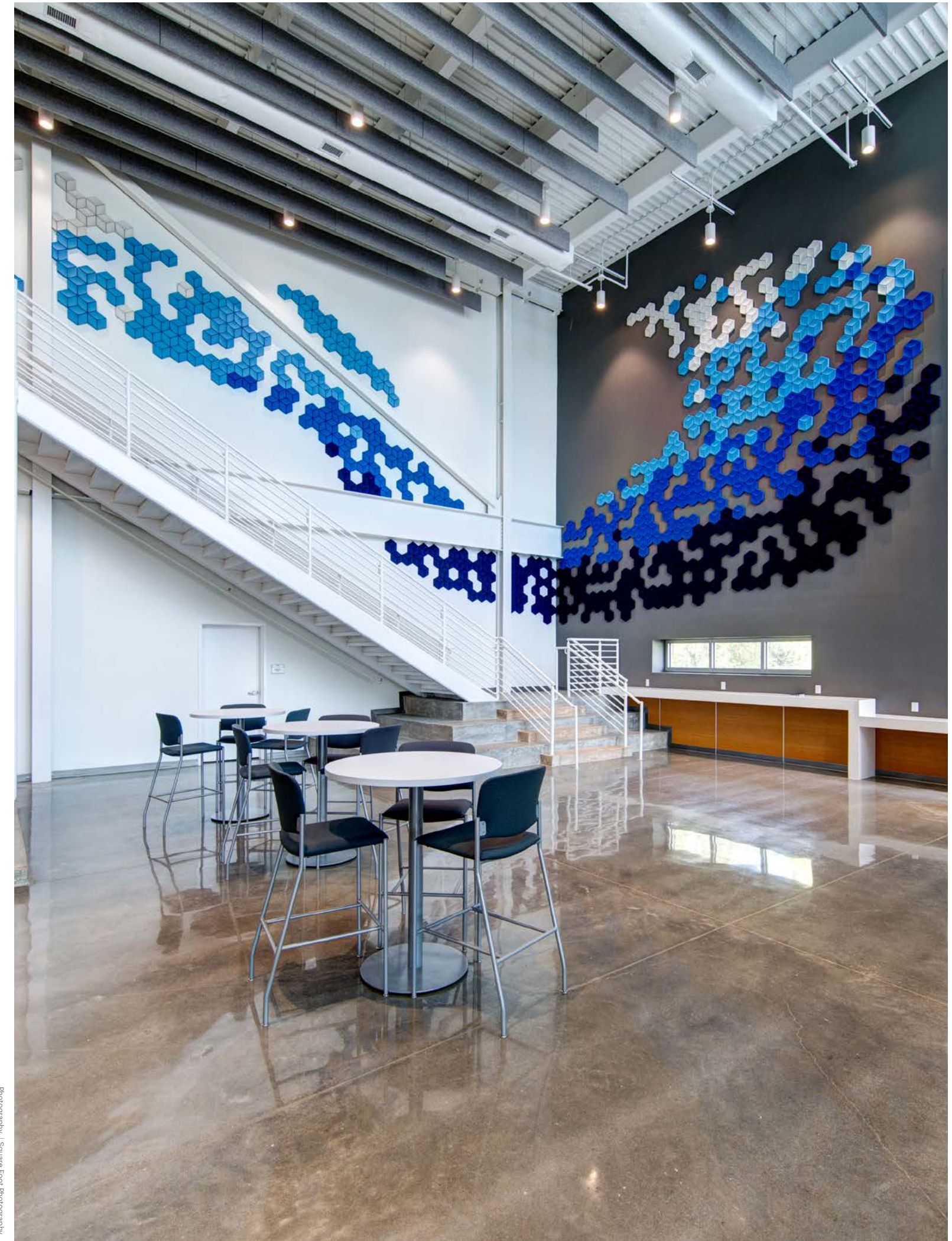
The Atrium
River Street Architecture

Pattern | Dash
Color | Custom



Lamar State College
Johnston Engineers, Architects, Planners

Pattern | Swoon
Finish | Merino Felt
Color | Sky Blue
 | Milky White
 | Deep Turquoise
 | Midnight Blue



Photography | Square Foot Photography

Design Options

Add visual texture to walls to make them really stand out.

1. Panel or Tile

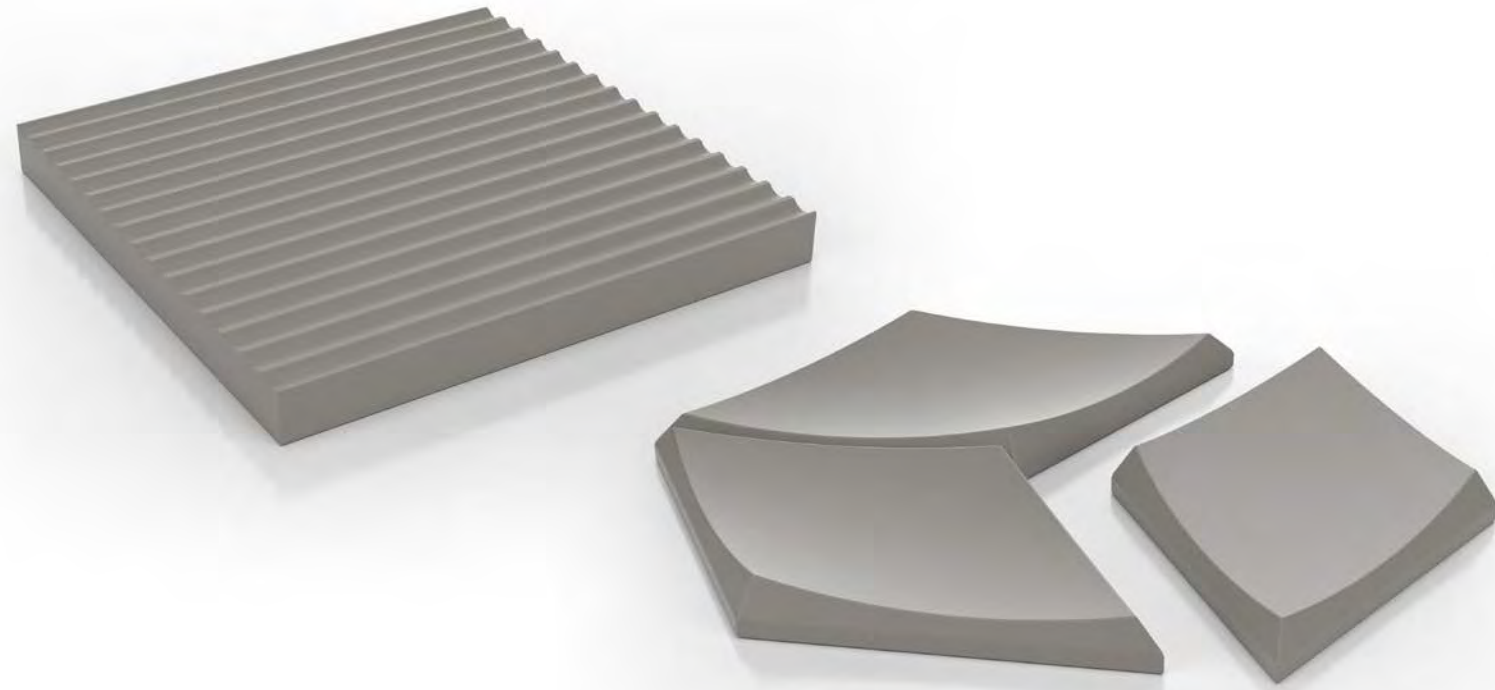
Use them on walls or ceilings. Pick from our curated patterns and decide how big or small you want to go.

3. Finishes

You aren't done yet. You can pick from a wide array of patterns and finishes, or select a paintable finish that allows you to match your existing environment or branding perfectly on site.

2. Materials

Profile tiles and panels are available in several materials including MDF, Baltic birch, or poplar.



Material Details

Panel Sizes	48" x 96",
Gauges	3/4"
Fire Rating	Fire Rated MDF - Class A Standard Finish - Class B

Properties

Affordability

Available in multiple cost-effective applications.

Easily Scalable

Modularity adds a high degree of scalability for large or small applications.

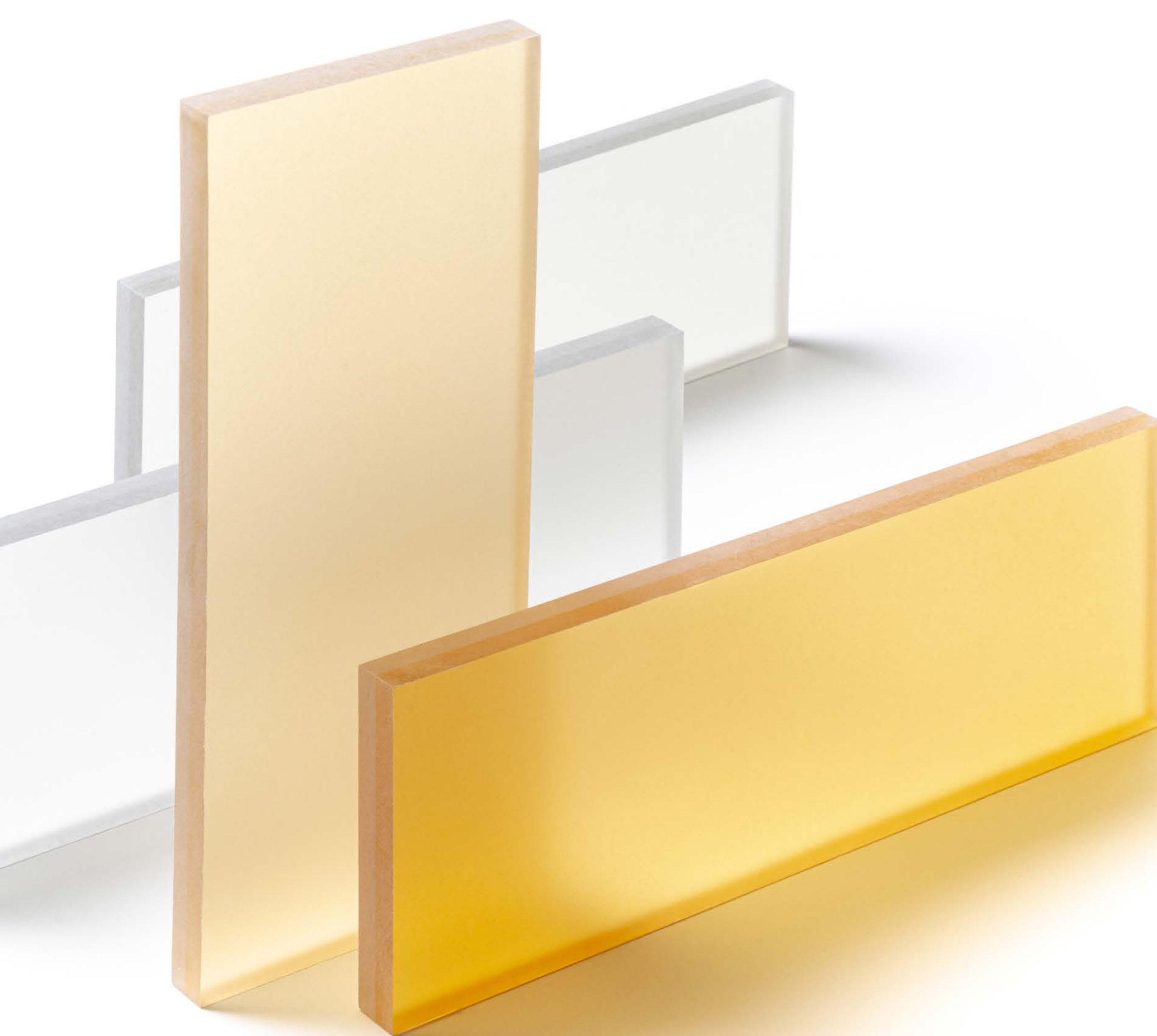
Color

Available in an incredible array of finishes.

Chemical Resistance





Resistant to most common cleaning solvents. Not resistant to strong solvents, highly alkaline or abrasive cleaning agents.

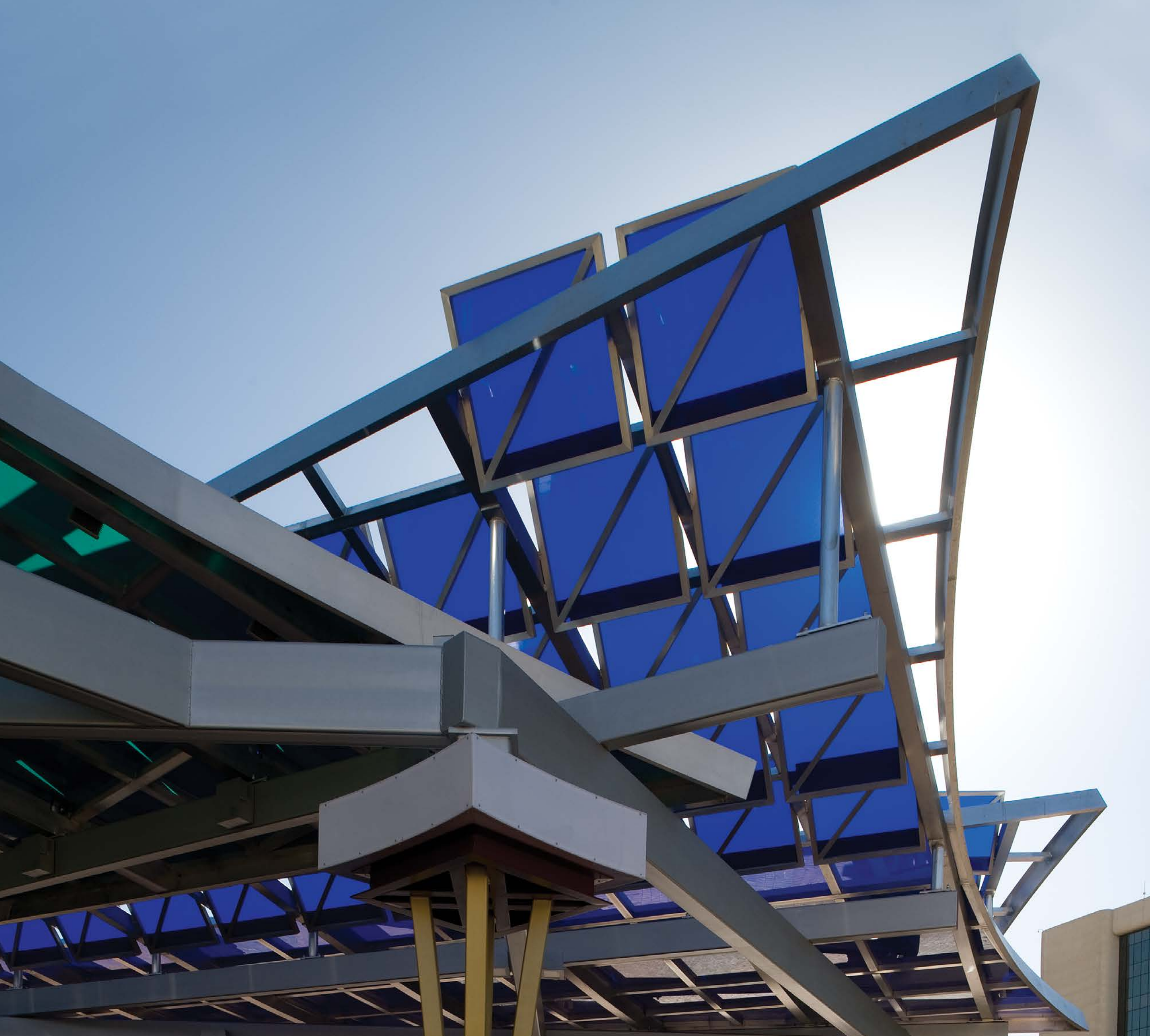
For complete specification options check out the appendix or go to 3-form.com/profile



Koda XT

Incredibly durable polycarbonate resin that withstands exterior elements.

-  Translucent
-  Color
-  Weatherable
-  Formable



Clearly Tough

Extremely durable for exteriors. Koda XT was engineered to be used outdoors for canopies, playgrounds, balustrades and art features. Koda XT can be specified with color, digital prints and finishes. With 200x the impact strength of glass, Koda XT is a great solution for a variety of outdoor applications.

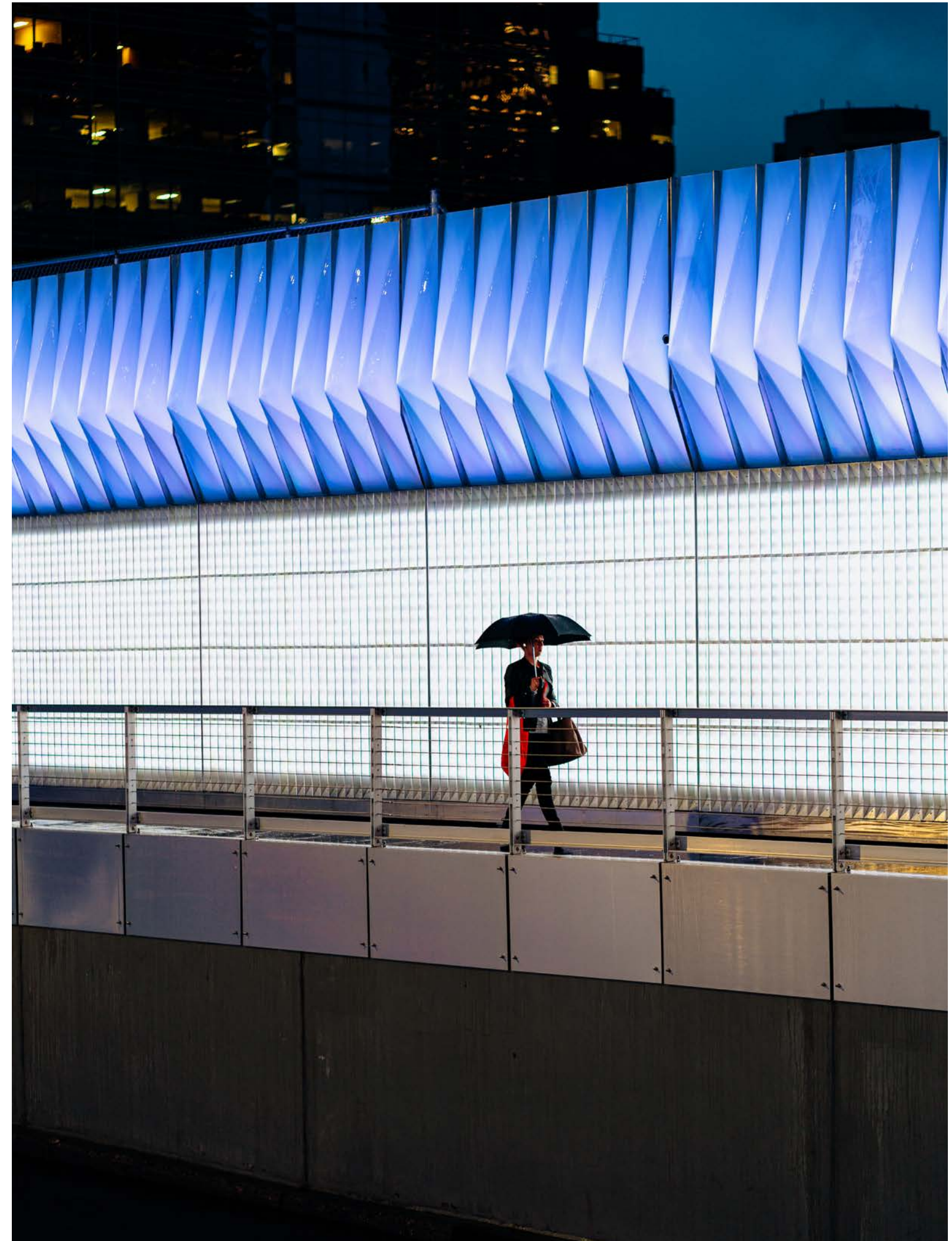
El Paso Civic Center
Carl Daniels Architects

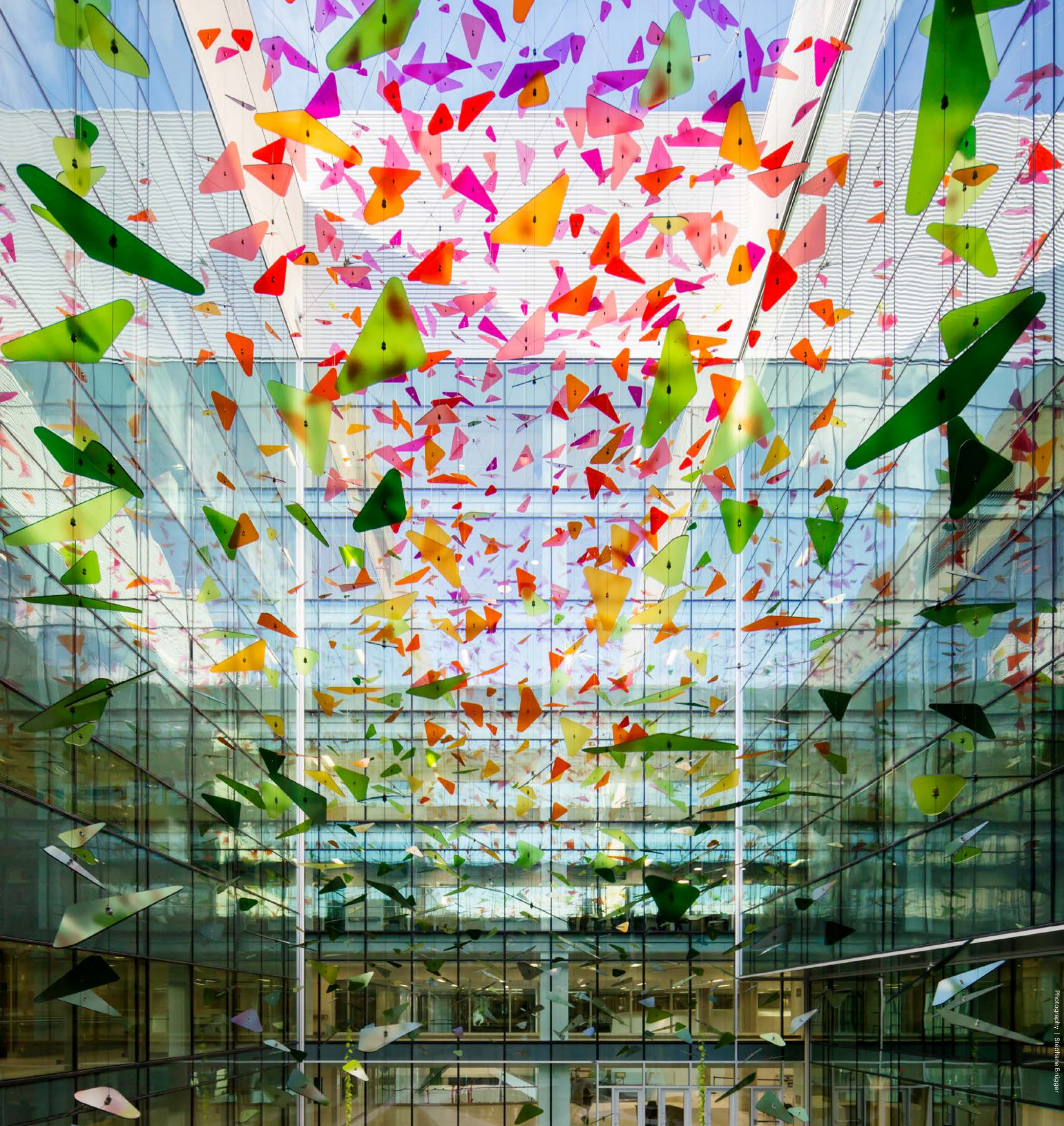
Color | Lagoon
Lawn



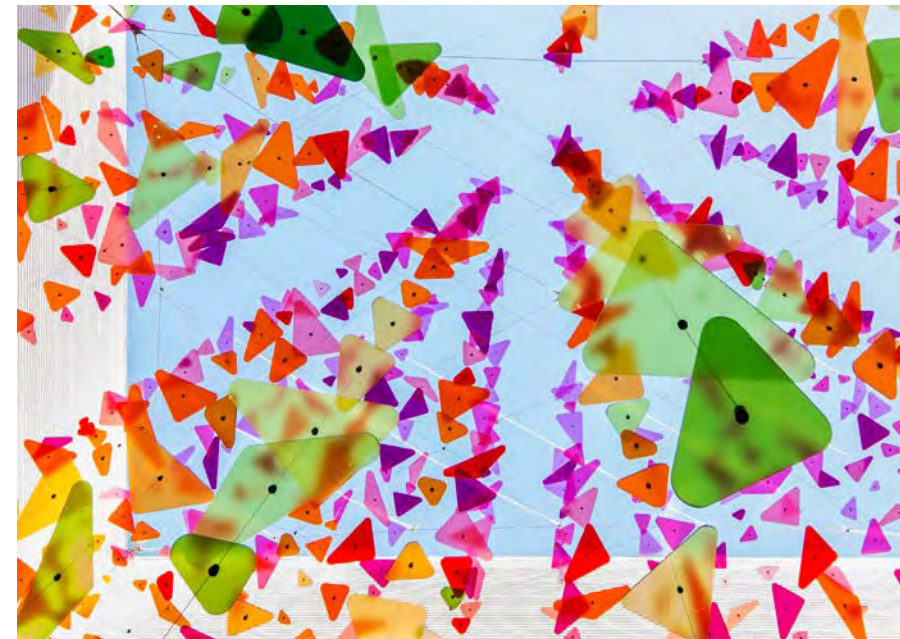
Calgary 4th Street Underpass
the marc boutin architectural collaborative inc.

Color | Custom extruded color





Photography | Stéphane Blügger



CHU Ste-Justine
Johnny Boivin

Color | Custom



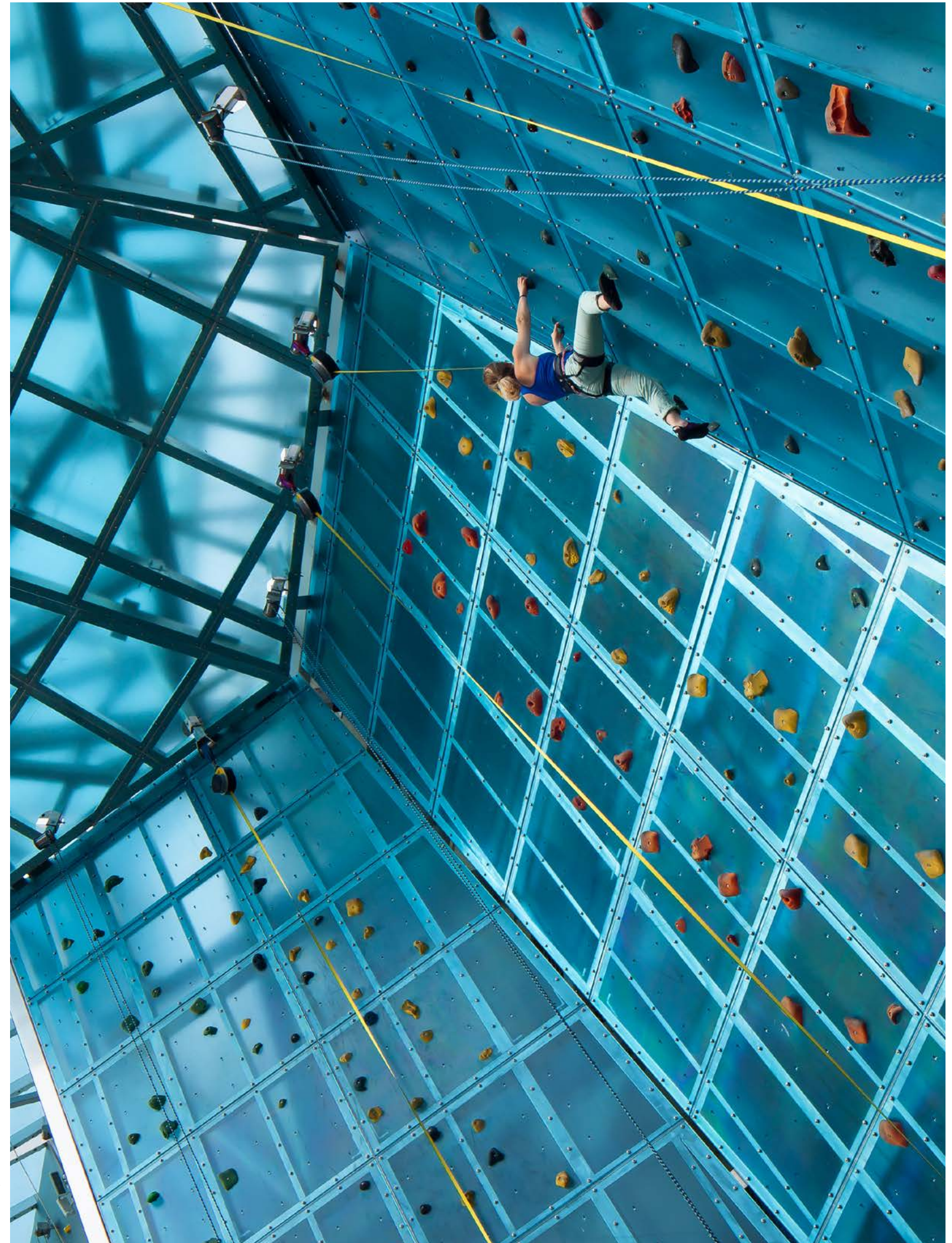
Jupiter Medical Center

Pattern | Digitally Printed Custom Gradient



Highpoint Climbing and Fitness
River Street Architecture

Color | Surf



Photography | Gary McCauley

Design Options

In large or small quantities, we custom fabricate each sheet of Koda XT to stand the test of time.

1. Finish

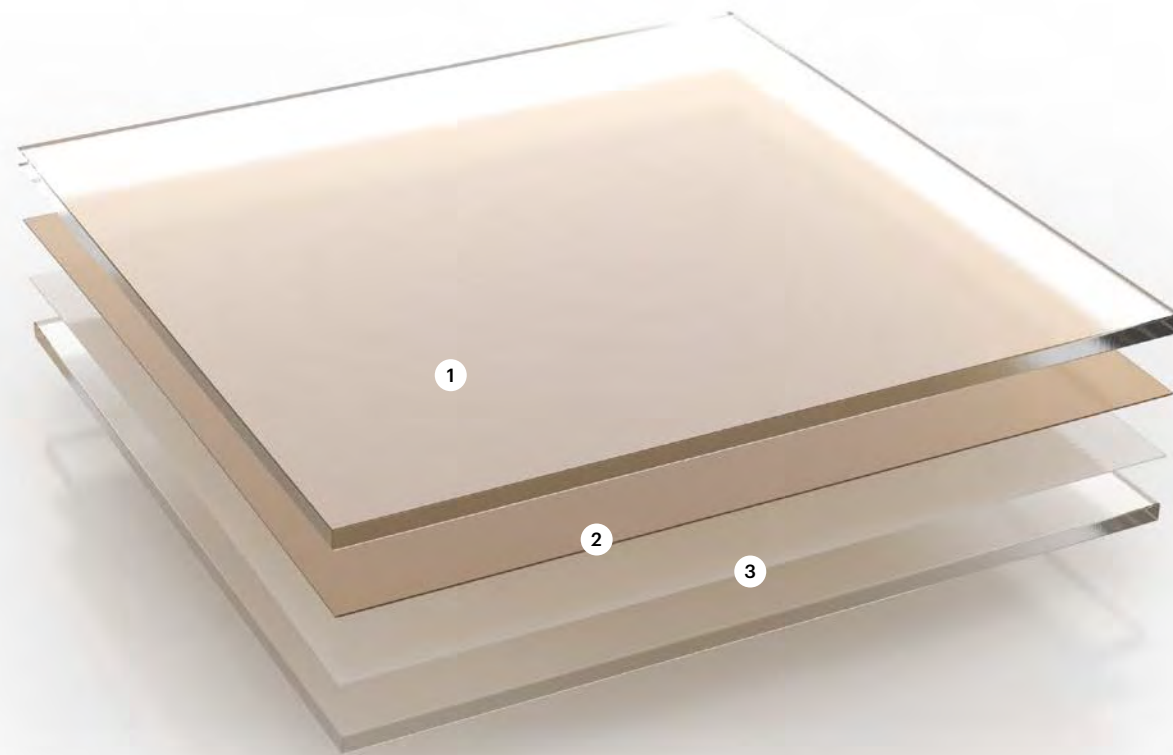
Applied to the front or back of a panel, you can add scratch-resistance and translucency with a variety of finishes.

3. Diffusions and Effects

Control opacity and light levels. Decide how much light you want to let through your panel.

2. 94 Colors

Pick from our carefully curated portfolio of translucent color options.



Material Details

Panel Sizes 48" x 96", 48" x 120"

Gauges 1/4", 1/2"

Fire Rating Class B

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Properties

Impact Strength

Extremely durable material. Can withstand 2.202 J/m (60 ft.lb/in) without failure.

Lightweight

Half the density of glass. Reduces structural support requirements.

UV Resistance

Very good UV resistance. Koda XT outperforms other polycarbonates in both impact resistance, color stability and light transmission after 10 years of UV light exposure.

Formability

Highly formable. Can be heat formed into a wide variety of shapes and structures.

Chemical Resistance

Very good chemical resistance. Do not clean with strong solvents, highly alkaline or abrasive cleaning agents.

Complex Fabrication

Complex fabrication available. Contact 3form technical service for details.

Optical Clarity

Good optical clarity. Crystal Clear™ Koda offers high optical clarity.

High Service Temperature

Can withstand high service temperatures. Up to 279° F/ 132° C continuous exposure.

Cold Bending






Can be cold bent for simple bends and curved areas. A minimum radius of 100X thickness.

For complete specification options check out the appendix or go to 3-form.com/kodaxt



Chroma XT

Optical grade resin engineered for exterior applications that require light and color transmission.

-  Weatherable
-  Color
-  Illuminated
-  Translucent
-  Formable



Clearly Durable

Illuminate the outdoors. Chroma brings excellent light transmission properties to any outdoor application. Add color or light to make a focal point.

Nationwide Children's Hospital
MKS

Color | Sassy + Surf
Vitamin C + Coral + Coral
Aloe + Lawn
Vitamin C



Interwoven
Atelier Cho Thompson

Color | Lioness
Blush
Zucchini



Photography | Scott Pease



Perk Park
Thomas Balsley Associates

Color | Cranberry



Utah First Credit Union
Lisman Studio

Color | Custom



Photography | Ohio Allen Photography



Springlake Elementary School
HMC Architects

Colors | Cayman
Charmer
Lago
Squash



Veterans Oasis Park - Field of Honor
Kimley Horn

Color | Ghost
Lighting | RGB

Design Options

Chroma XT is a perfect outdoor solution, lit or unlit.

1. Finish

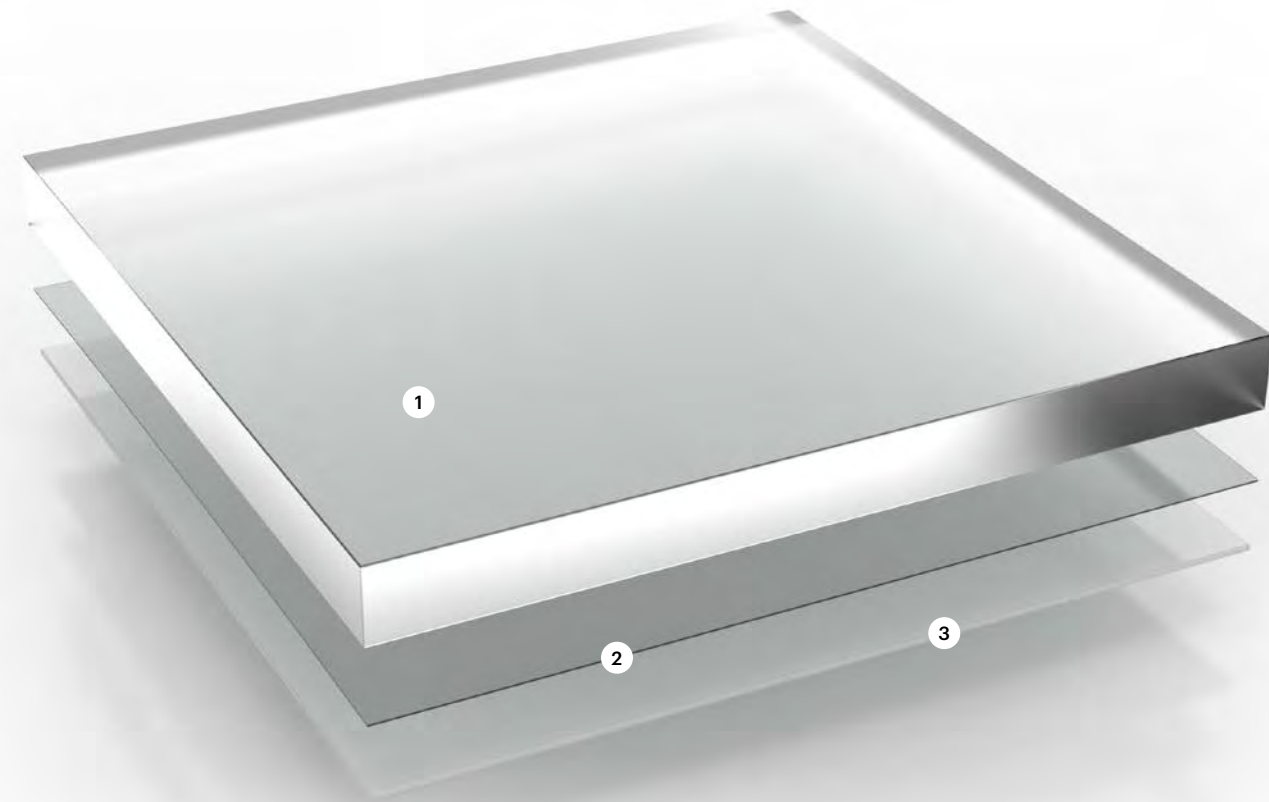
Applied to the front or back of a panel, you can add scratch-resistance and translucency with a variety of finishes.

3. Diffusion

Control opacity and light levels. Decide how much light you want to let through your panel.

2. 94+ Colors

Pick from our carefully curated portfolio, or color match within your existing environment or brand.



Material Details

Panel Sizes 48" x 96", 48" x 120"

Gauges 1/2", 1", 2"

Fire Rating Class C

Sustainability

We develop materials with the intention to empower architects, designers and consumers to make choices about specifying and purchasing sustainable and safe materials.



Declare.

Properties

Optical Clarity

Excellent optical clarity. 1.49 D542
Refractive index, 92% Light Transmission, <1% haze, Can be modified with a variety of diffusion and effects.

Formability

Highly formable material can produce simple or complex shapes. Minimum heatforming radius of 4" at 1/2" gauge.

Abrasion Resistance

Good Abrasion resistance. 48 Barcol hardness, Rockwell M-93 hardness. Vellum finish can be completely refinished

Rigidity

Highly rigid material. Stable and sturdy enough for horizontal solutions.

UV Resistance

Excellent UV resistance with no color or light transmission change in 10+ years of outdoor exposure.

High Service Temperature

Can withstand relatively high service temperatures (up to 180°F/82°C).

Complex Fabrication

Excellent complex fabrication options available through 3form Fabrication.

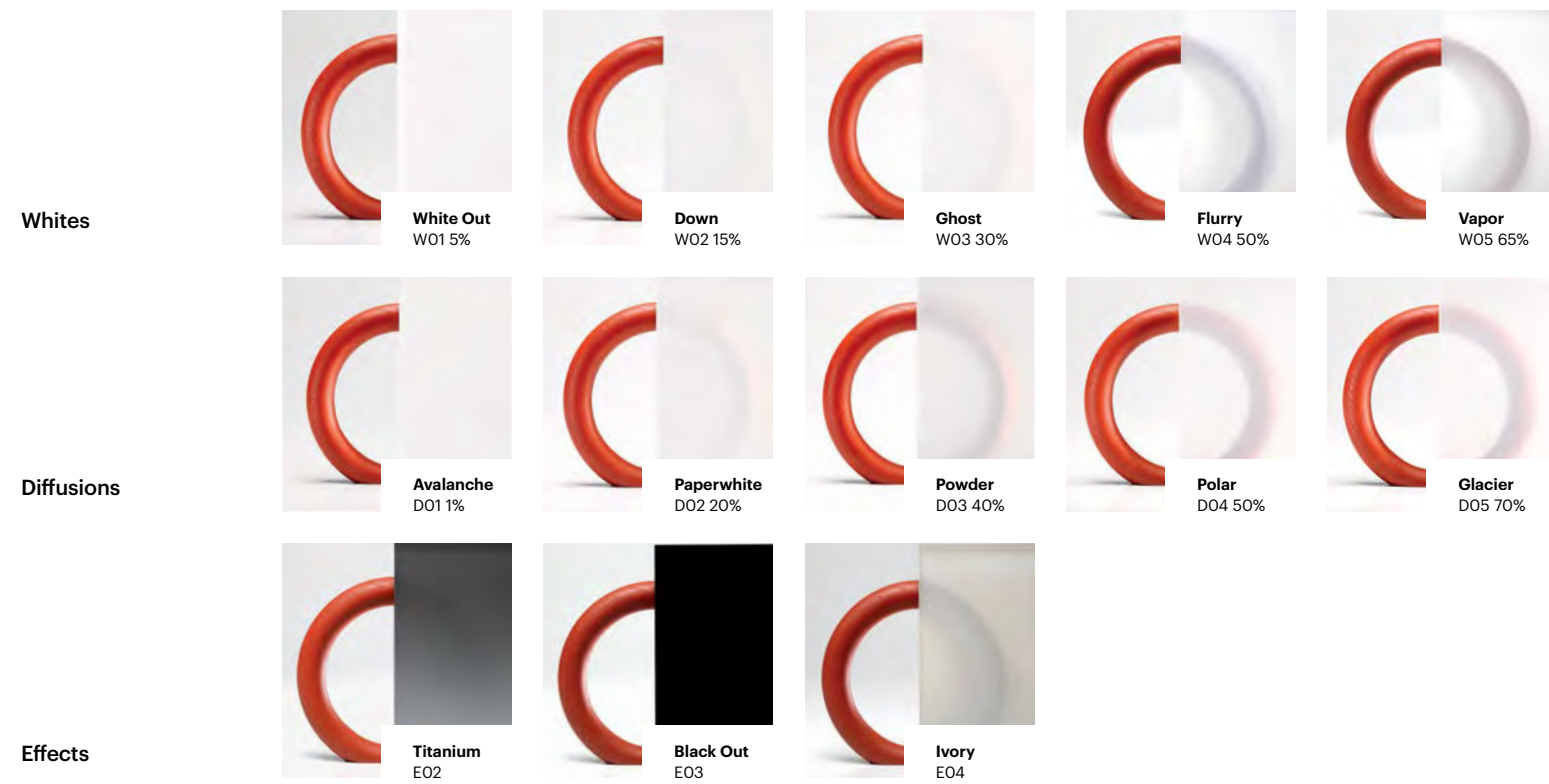
For complete specification options check out the appendix or go to 3-form.com/chroma



Tech Specs

Whites, Diffusions & Effects

Control opacity, light levels, and reflectiveness.



	White Out W01 5%	Down W02 15%	Ghost W03 30%	Flurry W04 50%	Vapor W05 65%	Avalanche D01 1%	Paperwhite D02 20%	Powder D03 40%	Polar D04 50%	Glacier D05 70%	Titanium E02	Black Out E03	Ivory E04
Varia	X	X	X	X	X	X	X	X	X	X	X	X	X
Chroma	X	X	X	X	X	X	X	X	X	X	X	X	X
Glass	X	X	X	X	X	X	X	X	X	X	X	X	X
Koda XT	X	X	X			X					X		
Chroma XT	X	X	X	X	X	X	X	X	X	X	X	X	X

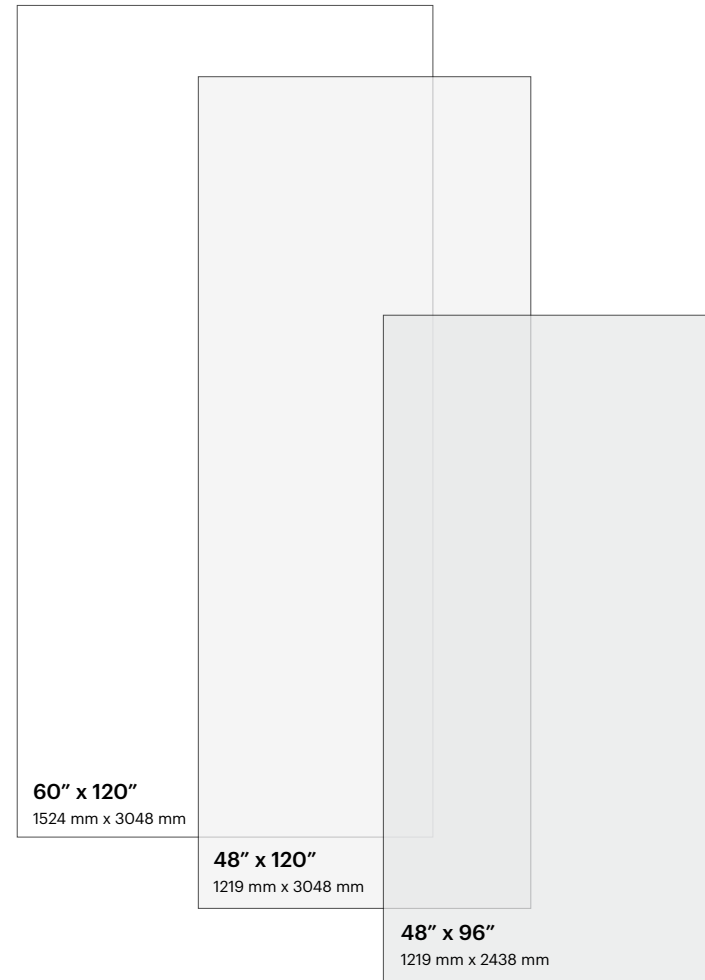
Finishes

Control scratch-resistance and translucency.

All finishes can be seamed and radius formed. Complex shape forming is not available on Supermatte or Patina.



	Sandstone F01	Patina F02	Patent F03	Vellum F04	Supermatte F05	Stucco F06	Velvet F07	Grain F08	Grid F09	Renewable Matte F10	Satin F14	Writeable F18
Varia	X	X	X	X	X	X	X	X	X			X
Chroma				X						X		
Glass											X	X
Koda XT	X		X	X		X						
Chroma XT				X						X		



60" x 120"
1524 mm x 3048 mm

48" x 120"
1219 mm x 3048 mm

48" x 96"
1219 mm x 2438 mm

	48" x 96" 1219 mm x 2438 mm	48" x 120" 1219 mm x 3048 mm	60" x 120" 1524 mm x 3048 mm
Varia	X	X	X ¹
Chroma	X	X	
Glass Laminated Glass ²	X	X	X ¹
Glass Monolithic Glass ³	X	X	X
Sola Felt	X ⁴		
Profile	X		
Koda XT	X	X	
Chroma XT	X	X	

¹ Limited selection

² Laminated Glass is made to order with a minimum size of 8" x 12" and a maximum size of 48" x 120"

³ Monolithic Glass is made to order with a minimum size of 8" x 12" and a maximum size of 60" x 120"

⁴ Sola Felt Max Size 44" x 96"



Saw

Simple rectangular shapes with an unfinished edge detail.



CNC

5/8 in (15.875) min. cut width.
1/2" min diameter radius on inside corners



Water Jet

No water wicking Interlayers
Edge frosted.



Laser

Varia: up to 1/4 in (6.3 mm)
Chroma: up to 5/8 in (15.8 mm)
Not available with Supermatte F05.
No Varia whites
Edges are polished as result of laser



Drag Knife

Felt cutting and beveling details

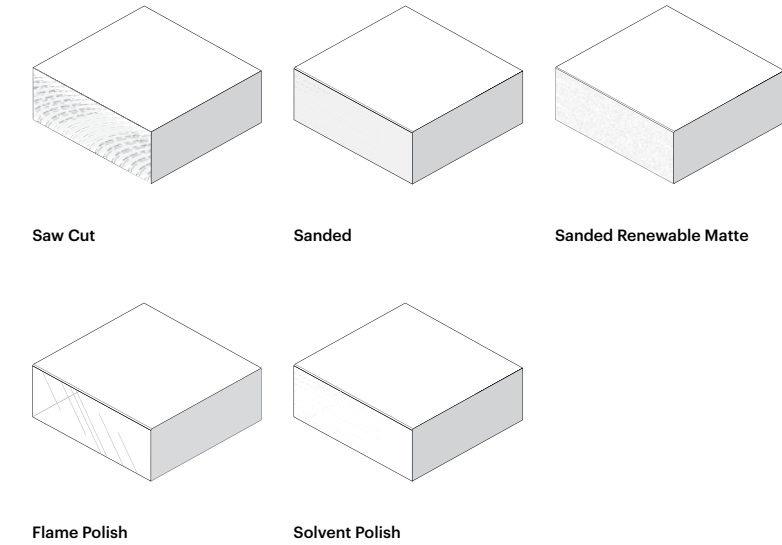
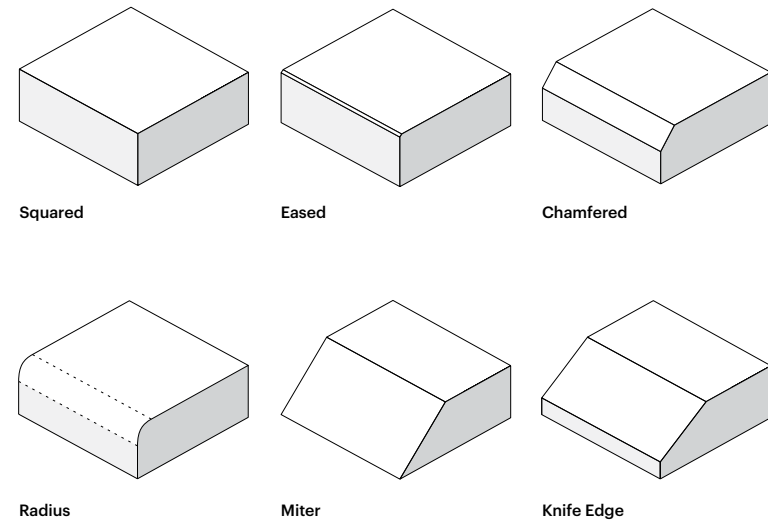
	Saw Cut	CNC	Water Jet	Laser	Drag Knife
Varia	X	X	X	X	
Chroma	X	X	X	X	
Glass		X	X		
Sola Felt					X
Profile	X	X			
Koda XT	X	X	X		
Chroma XT	X	X	X	X	

Edge Type

Varia
 Chroma
 Glass
 Koda XT
 Chroma XT

Edge Finishes

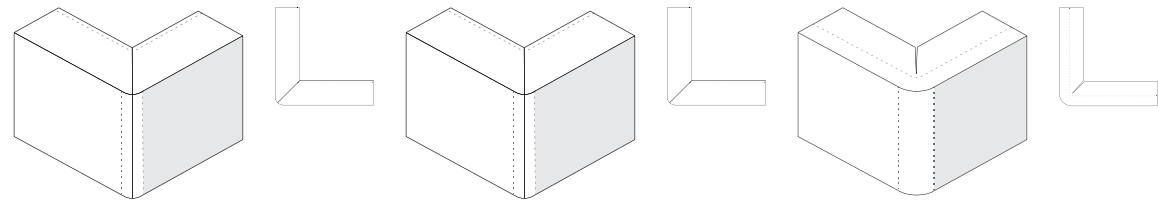
Varia
 Chroma
 Koda XT
 Chroma XT



	Squared	Eased	Chamfered	Radius	Miter	Knife Edge
Varia	X	X	X	X	X	X*
Chroma	X	X	X	X	X	X
Glass	X	X	X		X	
Koda XT	X	X	X	X	X	
Chroma XT	X	X	X	X	X	X

* 1" and thicker gauges only

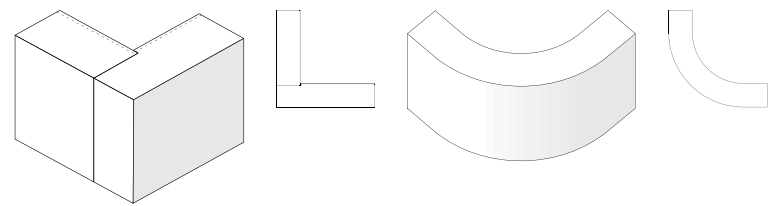
	Saw Cut	Sanded	Sanded Renewable Matte	Flame Polish	Solvent Polish	Hand Polish
Varia	X	X		X	X	
Chroma	X	X	X			X
Koda XT	X	X				
Chroma XT	X	X	X			X



Miter UV Glue Seam
Shown with 3mm radius
6.3mm (1/4in) minimum gauge

Miter Seam
Shown with 3mm radius
6.3mm (1/4in) minimum gauge

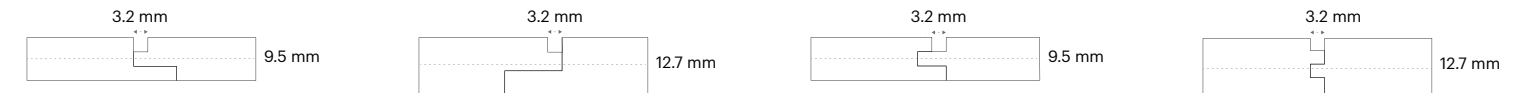
Line Bend Seam
Dotted line represents offset interlayer. Corner radius can vary with gauge, layup, and depth of cut. Not available with all layups.



Light Seam
Dotted line represents color layer. Default for lit applications.

Radiused
Molded, heat-formed corner. Not available with all layups.

Non-glued, loose seams

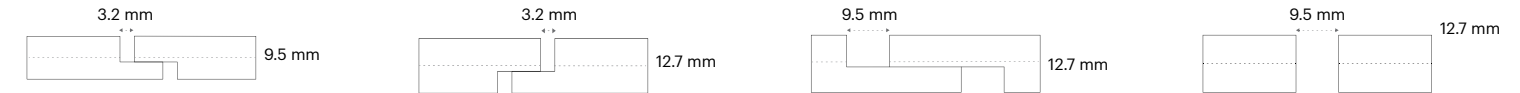


Half-Lap Quirk
- Minimum 9.5mm gauge
- Joint 9.5mm - quirk 3.2mm
- Backlit only
- Access good

Half-Lap Quirk
- 12.7mm Gauge
- Joint 12.7mm - quirk 3.2mm
- Backlit only
- Access good

Tongue & Groove Quirk
- Minimum 9.5mm gauge
- Joint 6.4mm - quirk 3.2mm
- Unlit - frontlit - backlit
- Access limited

Tongue & Groove Quirk
- Minimum 12.7mm gauge
- Joint 3.2mm - quirk 3.2mm
- Backlit only
- Access limited



Interior Expansion Joint
- Minimum 9.5mm gauge
- Joint 9.5mm - overlap 6.4mm - gap 3.2mm
- Use when material is bound in all directions
- For applications ≥ 3048mm (10ft) in length or width

Interior Expansion Joint
- 12.7mm gauge
- Joint 12.7mm - overlap 9.5mm - gaps 3.2mm
- Use when material is bound in all directions
- For applications ≥ 3048mm (10ft) in length or width

Exterior Expansion Joint
- 12.7mm ; 25.4mm gauge
- Joint 25.4mm - Overlap 15.9mm - Gaps 9.5mm
- Allows expansion & Contraction

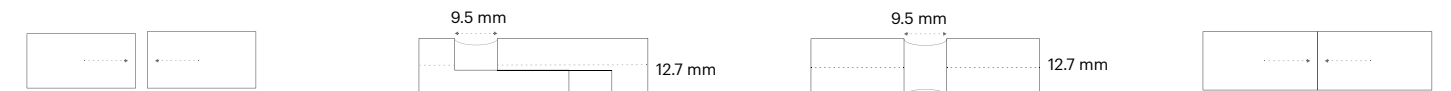
Exterior Reveal Joint
- 12.7mm gauge
- Open joint
- Horizontal or vertical surfaces
- Used with 3form point support XT hardware
- Minimizes wind load pressure



Overlap Joint
- Overlap based on application
- Angled or vertical surfaces
- Used to direct water
- Minimizes wind load pressure
- Double color effect at joint

4 Corner Lap Joint
- 12.7mm gauge
- Can be silicon sealed

Field adhered seams



Field Seam Prep
- For on-site seaming

Lap Joint
- 12.7mm gauge
- Silicon sealed joint
- Horizontal or vertical surfaces
- Support required at joint

Exterior Reveal Joint
- 12.7mm gauge
- Silicon sealed joint
- Horizontal or vertical surfaces
- Used with framed installations

Factory adhered seams



Structural Seams
- Large features
- Renewable matte finish only
- 90° cut only
- No W01, W03, W05, D05

	Half-Lap Quirk 9.5 mm	Half-Lap Quirk 12.7	Tongue & Groove Quirk 9.5 mm	Tongue & Groove Quirk 12.7 mm	Interior Expansion Joint 9.5 mm	Interior Expansion Joint 12.7 mm	Exterior Expansion Joint 12.7 mm	Exterior Reveal Joint 12.7 mm	Overlap Joint	4 Corner Lap Joint	Field Seam Prep	Lap Joint 12.7	Exterior Reveal Joint 12.7 mm	Structural Seams
Varia	X	X	X	X	X									
Chroma		X		X		X	X			X	X	X		X
Glass													X	
Koda XT							X	X	X	X		X	X	
Chroma XT							X			X	X	X	X	X

Gauge & Weight

	2 in (50.8 mm)	1 in (25.4 mm)	3/4 in (19.05 mm)	5/8 in (15.8 mm)	1/2 in (12.7 mm)	3/8 in (9.5 mm)	1/4 in (6.35mm)	3/16 in (4.76 mm)	1/8 in (3.18 mm)	1/16 in (1.59 mm)	
Varia	Minimum Allowance Color/Fabric Interlayer		0.850 in (21.6 mm)	0.648 in (16.5 mm)	0.436 in (11.1 mm)	0.324 in (8.2 mm)	0.2125 in (5.4 mm)	0.168 in (4.3 mm)	0.104 in (2.6 mm)	0.050 in (1.3 mm)	
	Maximum Allowance Color/Fabric Interlayer		1.059 in (26.9 mm)	0.768 in (19.5 mm)	0.508 in (12.9 mm)	0.384 in (9.8 mm)	0.260 in (6.6 mm)	0.192 in (4.9 mm)	0.132 in (3.4 mm)	0.070 in (1.8 mm)	
	Minimum Allowance All Other Interlayers		0.850 in (21.6 mm)	0.618 in (15.7 mm)	0.412 in (10.5 mm)	0.304 in (7.7 mm)	0.196 in (5.0 mm)	0.1558 in (3.9 mm)	0.098 in (2.5 mm)	0.054 in (1.37 mm)	
	Maximum Allowance All Other Interlayers		1.090 in (27.7 mm)	0.798 in (20.3 mm)	0.562 in (14.3 mm)	0.434 in (11.0 mm)	0.306 in (7.8 mm)	0.205 in (5.2 mm)	0.138 in (3.5 mm)	0.072 in (1.8 mm)	
	Weight Flux lb/ft ² (kg/m ²)		6.6 lb/ft² (32.2 kg/m ²)	5.0 lb/ft² (24.4 kg/m ²)	3.3 lb/ft² (16.1 kg/m ²)	2.5 lb/ft² (12.2 kg/m ²)	1.7 lb/ft² (8.3 kg/m ²)	1.2 lb/ft² (5.9 kg/m ²)	0.8 lb/ft² (3.9 kg/m ²)	0.4 lb/ft² (2.0 kg/m ²)	
Chroma	Minimum Allowance Color/Digital Print/XT		1.800 in (45.7 mm)	0.900 in (22.9 mm)	0.850 in (21.59 mm)	0.450 in (11.4 mm)	0.412 in (10.4 mm)				
	Maximum Allowance Color/Digital Print/XT		2.200 in (55.9 mm)	1.1009 in (27.9 mm)	1.090 in (27.6 mm)	0.585 in (14.9 mm)	0.562 in (14.27 mm)				
	Weight Flux lb/ft ² (kg/m ²)		12.4 lb/ft² (60.5 kg/m ²)	6.2 lb/ft² (30.2 kg/m ²)	3.1 lb/ft² (15.1 kg/m ²)						
Sola Felt	Minimum Allowance					0.337 in (8.5 mm)	0.225 in (5.7 mm)	0.168 in (4.2 mm)			
	Maximum Allowance					0.413 in (10.5 mm)	0.275 in (7.0 mm)	0.206 in (5.3 mm)			
	Weight Flux lb/ft ² (kg/m ²)					.39 lb/ft² (1.9 kg/m ²)	.30 lb/ft² (1.5 kg/m ²)	.22 lb/ft² (1.1 kg/m ²)			
Profile	Maximum Allowance		up to 3/4 in (19.05 mm)	Thickness varies due to texture							
Koda XT	Minimum Allowance Color					0.450 in (11.45 mm)	Not Available				
	Maximum Allowance Color					0.585 in (14.26 mm)	Not Available				
	Minimum Allowance Crystal Clear					0.427 in (10.85 mm)	0.212 in (5.38 mm)				
	Maximum Allowance Crystal Clear					0.500 in (12.7 mm)	0.260 in (6.6 mm)				
	Weight Flux lb/ft ² (kg/m ²)					3.1 lb/ft² (15.1 kg/m ²)	1.516 lb/ft² (7.31 kg/m ²)				

Chroma XT

	2 in (50.8 mm)	1 in (25.4 mm)	3/4 in (19.05 mm)	5/8 in (15.8 mm)	1/2 in (12.7 mm)	3/8 in (9.5 mm)	1/4 in (6.35mm)	3/16 in (4.76 mm)	1/8 in (3.18 mm)	1/16 in (1.59 mm)
Maximum Allowance Standard and Digital Print	2.200 in (55.9 mm)	1.100 in (27.9 mm)	1.090 in (27.6 mm)	0.585 in (14.9 mm)		0.562 in (14.27 mm)				
Minimum Allowance With 1/8 in (3.18 mm) Renewable Matte Back Finish	1.865 in (47.4 mm)	0.965 in (24.5 mm)	0.515 in (13.1 mm)							
Maximum Allowance With 1/8 in (3.18 mm) Renewable Matte Back Finish	2.325 in (59.1 mm)	1.225 in (31.1 mm)	0.710 in (18.0 mm)							
Weight Flux lb/ft ² (kg/m ²)	13.0 lb/ft² (62.4 kg/m ²)	6.6 lb/ft² (32.1 kg/m ²)	3.5 lb/ft² (17.0 kg/m ²)							

Glass Laminated Glass

	1 1/16 in (26.9 mm)	13/16 in (20.6 mm)	11/16 in (17.4 mm)	9/16 in (14.2 mm)	1/2 in (12.7 mm)	7/16 in (11.1 mm)	3/8 in (9.5 mm)	5/16 in (7.9 mm)	1/4 in (6.35mm)	3/16 in (4.76 mm)
Minimum Allowance	1.000 in (25.40 mm)	0.750 in (19.05 mm)	0.625 in (15.88 mm)	0.500 in (12.70 mm)	0.375 in (9.53 mm)		0.250 in (6.35 mm)			
Maximum Allowance	1.094 in (27.78 mm)	0.844 in (21.43 mm)	0.719 in (18.26 mm)	0.594 in (15.08 mm)	0.469 in (11.91 mm)		0.344 in (8.73 mm)			

Monolithic

Minimum Allowance All Other Interlayers					0.469 in (11.91 mm)	0.355 in (9.02 mm)	0.292 in (7.41 mm)	0.219 in (5.56 mm)	0.180 in (4.57 mm)	
Maximum Allowance All Other Interlayers					0.531 in (13.49 mm)	0.406 in (10.31 mm)	0.332 in (8.43 mm)	0.244 in (6.20 mm)	0.199 in (5.05 mm)	
Weight Flux lb/ft ² (kg/m ²)	14.5 lb/ft² (70.6 kg/m ²)	11.1 lb/ft² (54.0 kg/m ²)	9.4 lb/ft² (45.7 kg/m ²)	7.7 lb/ft² (37.4 kg/m ²)	6.8 lb/ft² (33.2 kg/m ²)	6.0 lb/ft² (29.3 kg/m ²)	5.1 lb/ft² (24.9 kg/m ²)	4.3 lb/ft² (21.0 kg/m ²)	3.0 lb/ft² (14.6 kg/m ²)	2.5 lb/ft² (12.2 kg/m ²)

Cold Bending & Heat Forming

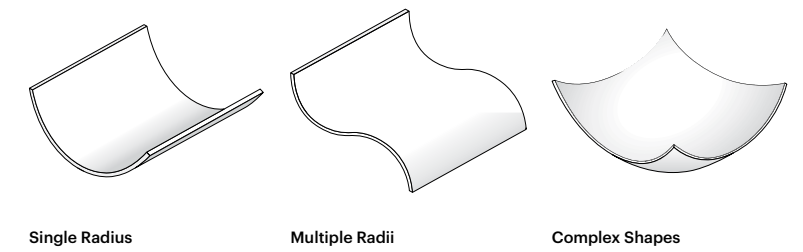
Varia

	2 in (50.8 mm)	1 in (25.4 mm)	3/4 in (19.05 mm)	5/8 in (15.8 mm)	1/2 in (12.7 mm)	3/8 in (9.5 mm)	1/4 in (6.35mm)	3/16 in (4.76 mm)	1/8 in (3.18 mm)	1/16 in (1.59 mm)
Cold Bending Minimum Radii	Must be qualified									
Varia	100 in (2540 mm)	75 in (1905 mm)			50 in (1270 mm)	37 in (940mm)	24 in (635mm)	19 in (483 mm)	12 in (305 mm)	7 in (178 mm)
Dichroic / Reflect	250 in (6350 mm)	188 in (4775 mm)			125 in (3175 mm)	94 in (2388 mm)	63 in (1600 mm)	47 in (1194 mm)	32 in (813 mm)	N/A
Wood	200 in (5080 mm)	150 in (3810 mm)			100 in (2540 mm)	75 in (1905 mm)	50 in (1270 mm)	37 in (950 mm)	24 in (610 mm)	N/A
Heat Forming Minimum Radii	Restrictions can apply based on interlayer									
Simple Mold	6 in (152.4 mm)	4.5 in (114.3 mm)			3 in (76.2 mm)	2.25 in (57.2mm)	Thinner gauge heat forming must be reviewed			
Male/Female Mold	3 in (76.2 mm)	2.25 in (57.2 mm)			1.5 in (38.1 mm)	1 in (25.4mm)	Thinner gauge heat forming must be reviewed			
Dichroic/Wood/Digital Print	Restrictions may apply—Interlayers affect the radius and maximum sheet size Example: Timber can only be heat formed one direction at a minimum radius of 48 in (1219 mm).									
Complex Shapes & Curves	Available—contact 3form for review									
Cold Bending Minimum Radii	Not recommended for Chroma XT									
Chroma	N/A	N/A			225 in (5715 mm)					
Heat Forming Minimum Radii										
Chroma	12 in (304.8 mm)	8 in (203.2 mm)			4 in (101.6 mm)					
Wood/Digital Print	Restrictions may apply—Interlayers affect the radius and maximum sheet size Example: High Resolution print can only be heat formed one direction.									
Complex Shapes & Curves	Available—contact 3form for review									

Chroma

Koda XT

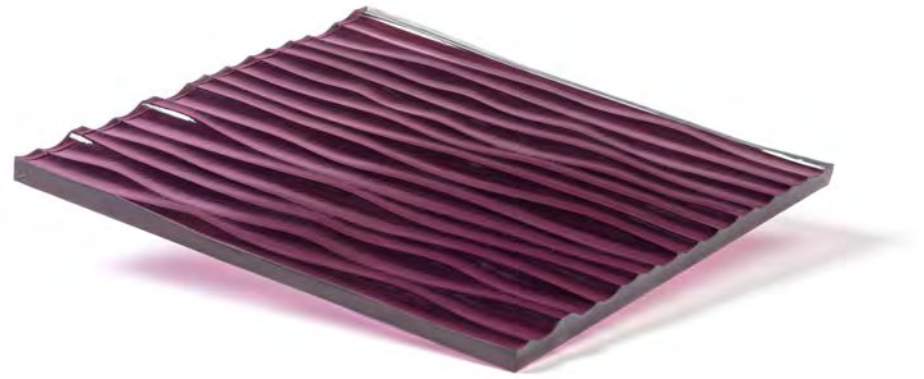
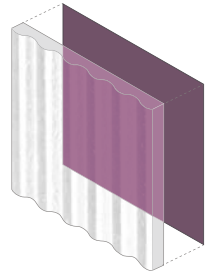
	2 in (50.8 mm)	1 in (25.4 mm)	3/4 in (19.05 mm)	5/8 in (15.8 mm)	1/2 in (12.7 mm)	3/8 in (9.5 mm)	1/4 in (6.35mm)	3/16 in (4.76 mm)	1/8 in (3.18 mm)	1/16 in (1.59 mm)
Cold Bending Minimum Radii										
Koda XT					50 in (1270 mm)	25 in (635mm)				
Heat Forming Minimum Radii	Low durability finishes not recommended for heat forming									
Koda XT					3 in (76.2 mm)	3 in (76.2 mm)				
Complex Shapes & Curves	Available—contact 3form for review									



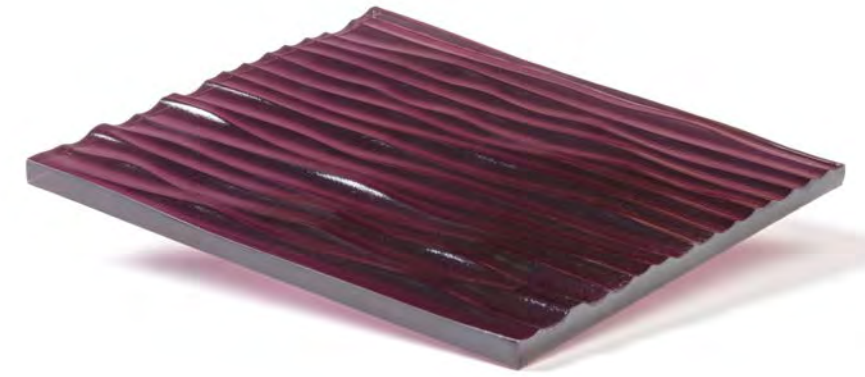
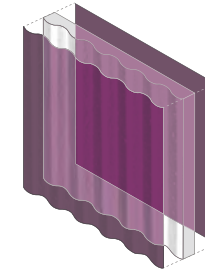
Color Location

Depth, dimension and saturation can be created with color layers.

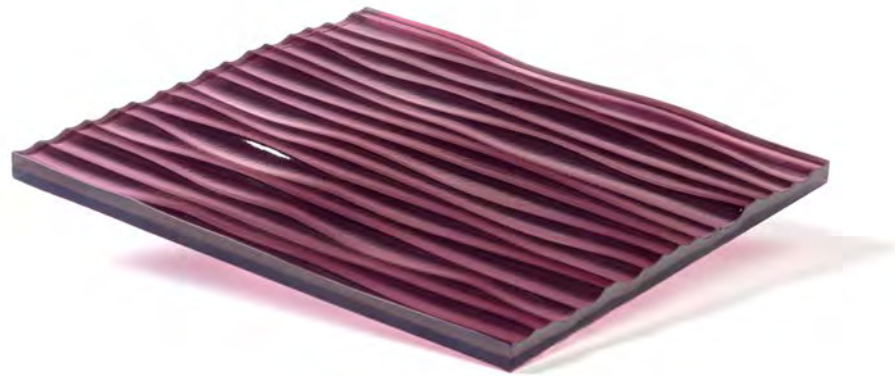
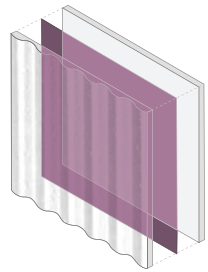
Color on the back
[product] + [color]



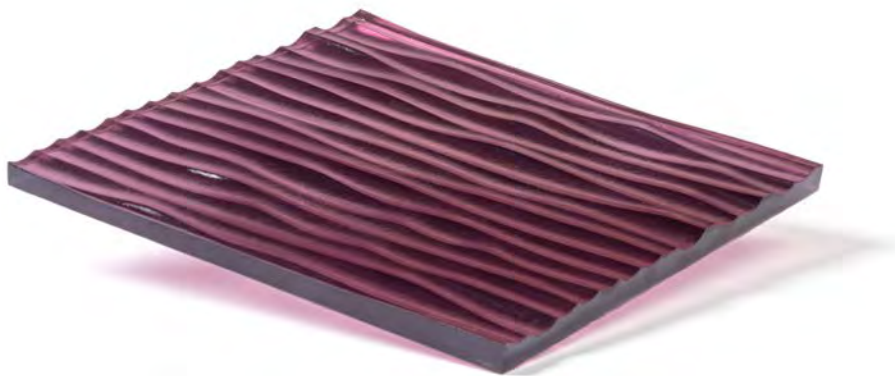
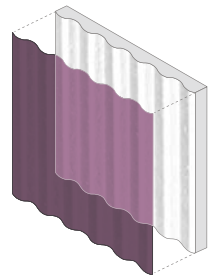
Color on the front and back
[color] + [product] + [color]



Color in the middle
[product] + [color] + [product]



Color on the front
[color] + [product]



	Color on the back	Color in the middle	Color on the front	Color on front and back
Varia	X	X	X	X
Chroma	X	X	X	
Glass		X		
Koda XT		X		
Chroma XT		X		

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