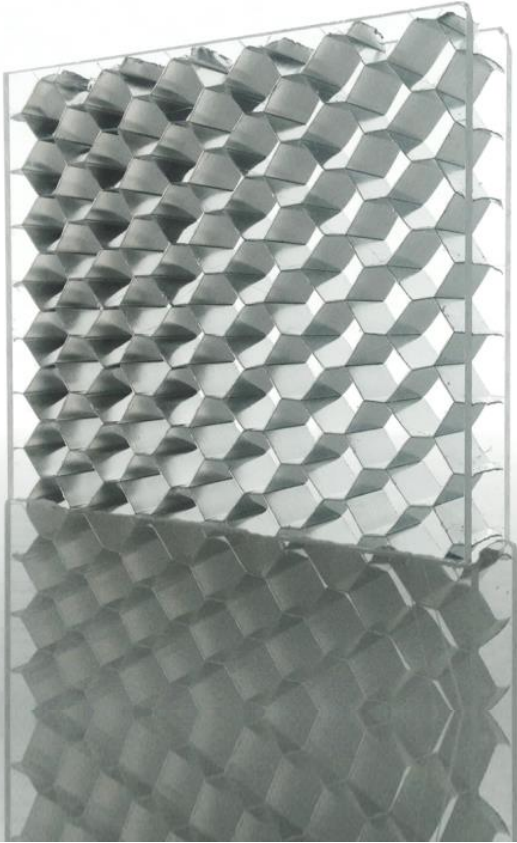
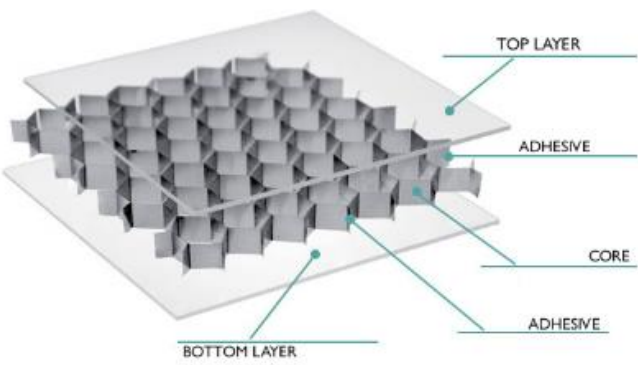


# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



# Materials Inc

## **Welcome to Materials Inc.**

At the heart of innovation, where design meets sustainability, stands Materials Inc. — your premier partner in architectural and design solutions. Founded on the principles of innovation, quality, and sustainability, we have been at the forefront of providing cutting-edge materials and systems to architects, designers, and builders across the globe. Our mission is to transform spaces not just aesthetically but also functionally, with a keen eye on the environment and the future.

## **Innovation Through Design**

Our journey began with a simple idea: to create materials that are not only visually stunning but also superior in performance and environmentally friendly. This idea has blossomed into a wide range of products and systems, including our flagship Luminous Translucent Honeycomb Panels and Systems, designed to redefine the use of light and space in architecture.

## **Sustainability at Our Core**

At Materials Inc., sustainability is not just a buzzword; it's woven into the very fabric of our business model. We believe in creating products that not only enhance the beauty and functionality of architectural projects but also contribute positively to the environment. From energy-efficient designs to eco-friendly manufacturing processes, our commitment to sustainability is evident in every product we offer.

## **Quality You Can Trust**

Quality is paramount at Materials Inc. Each of our products undergoes rigorous testing to ensure it meets the highest standards of durability, performance, and aesthetics. Our dedication to excellence has earned us the trust of architects and designers worldwide, making Materials Inc. a name synonymous with reliability and quality.

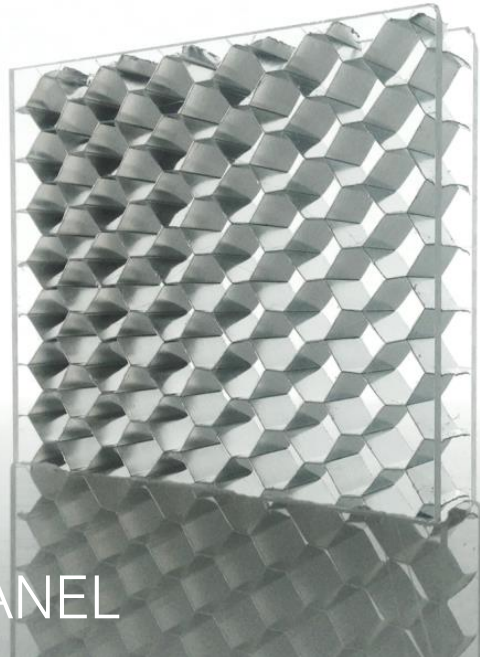
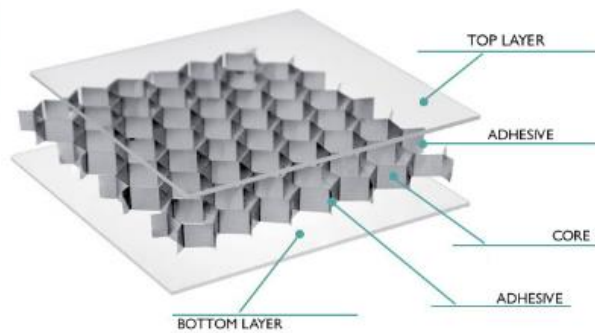
## **Our Vision for the Future**

Looking forward, Materials Inc. is committed to pushing the boundaries of material science and design technology. We are constantly exploring new ways to innovate and improve our products, with the goal of creating more sustainable, functional, and beautiful spaces for generations to come.

Welcome to Materials Inc., where your vision meets our innovation to create the spaces of tomorrow, today.

Sincerely,

Your dedicated team at Materials Inc.



## WHAT IS A HONEYCOMB PANEL

**Luminous** translucent honeycomb panels are sophisticated composite materials composed of a honeycomb core bonded between two translucent or transparent facings. With core options of aluminum or polycarbonate, *Luminous* panels are engineered to be lightweight and self-structural structural strength, providing for ease in handling and installation while contributing significantly to sustainability goals and improved experience of the space.

The outer skins are made from acrylic or polycarbonate allow for light transmission while protecting the core from environmental factors. This layered construction results in panels that are not only strong and durable but also capable of diffusing natural light beautifully across spaces, making them a preferred choice for a range of architectural applications where aesthetics, insulation, and light management are key considerations.



## Collaborating with Architects: Turning Visions into Reality

At Materials Inc. we partner with architects to ensure our translucent honeycomb panels perfectly complement your projects. Here's how we make this happen:

### Personalized Consultation

We start by understanding your vision and requirements, guiding you through our product range to find the perfect fit in terms of aesthetics, functionality, performance and budget.

### Project Development

Selecting the right materials is crucial for bringing your vision to life. We offer personalized consultations to help you choose the ideal translucent honeycomb panel type for your project. With an extensive range of colors, finishes, dimensions, details and light transmission rates, we ensure that the selected panels perfectly match your design specifications and performance criteria.

### Technical Support

From selection through installation, our team offers the technical support you need, ensuring our panels meet your project's specific demands without any hassle.

### Ongoing Partnership

We stay engaged throughout your project, ready to assist with any challenges, ensuring your design achieves its full potential with our panels.

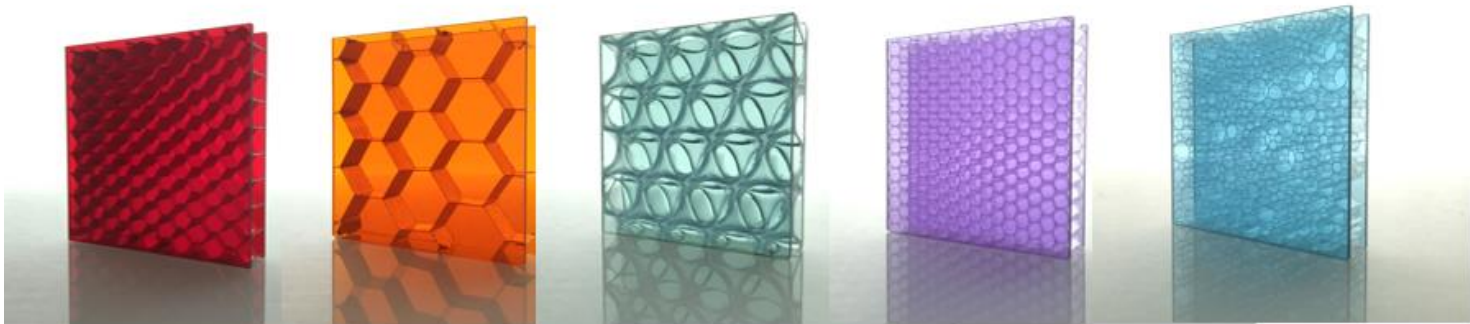
## Product Options

Explore our customizable options for translucent architectural honeycomb panels. Designed for versatility and aesthetic excellence, each panel offers unique features suitable for a wide range of architectural applications.

### DIMENSIONS

- **Standard Panel Size:** 39.4" x 118.7" (1m x 3m)
- **Thickness:** 13/16" (21mm)

### CORE OPTIONS



HONEYCOMB



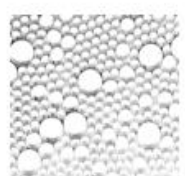
HONEYCOMB  
LARGE



ILLUSION



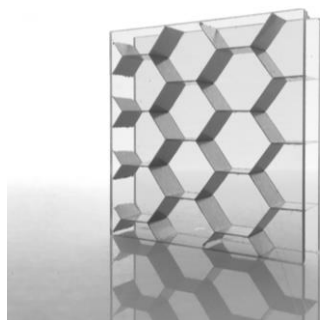
RINGS



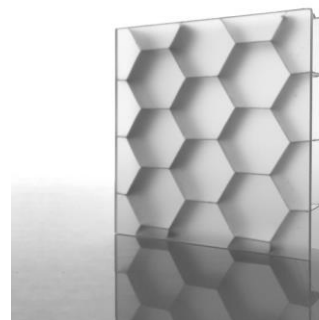
BUBBLES

### FACING OPTIONS

#### TRANSPARENT

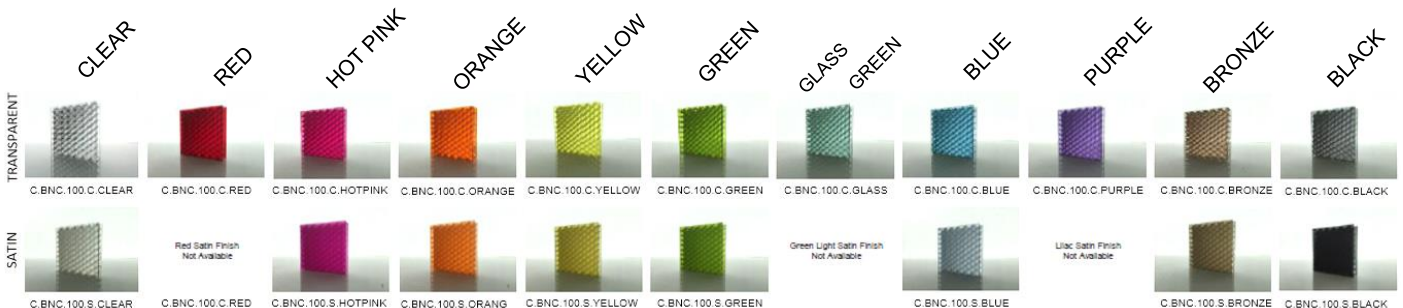


- Clear
- Red
- Hot Pink
- Orange
- Yellow
- Green (Olive)
- Green (Light)
- Blue
- Purple
- Bronze
- Black



#### SATIN

- Clear
- Hot Pink
- Orange
- Yellow
- Green (Olive)
- Green (Light)
- Blue
- Bronze
- Black



## **PERFORMANCE**

LUMINOUS translucent honeycomb panels undergo rigorous fire testing to ensure they meet and exceed industry standards for safety and compliance. Utilizing advanced materials and manufacturing techniques, these panels are designed to achieve superior fire resistance ratings. The testing process includes comprehensive evaluation per ASTM test standards, assessing the panels' behavior in terms of flame spread, smoke development, and integrity when exposed to fire.

Our standard 21mm panel meets the requirements for all residential and most commercial or institutional projects. However, for projects with more stringent requirements, Materials Inc. provides a range of details or coatings to achieve Class B and Class A materials. Our team provides project specific technical support to ensure that all specifications meet the required performance, providing architects, installers and end users with beauty, functionality and safety.

<b>LUMINOUS Panel Type</b>	<b>Thickness</b>	<b>Standard Panel</b> <small>ASTM D-2843 / D-635 / D-1929</small>	<b>W/ Glass Detail</b> <small>6mm Glass+ Luminous+6mm Glass</small>	<b>W/ Flamecoat</b> <small>ASTM E-84-21</small>
Honeycomb	21mm	C2 / CC2	Class B	Class A
Honeycomb PLUS	19mm	Class B	Class B	Class A
Honeycomb Large	21mm	C2 / CC2	Class B	Class A
Illusion	21mm	C1 / CC1	Class B	Class A
Rings	21mm	C1 / CC1	Class B	Class A
Bubbles	21mm	C1 / CC1	Class B	Class A



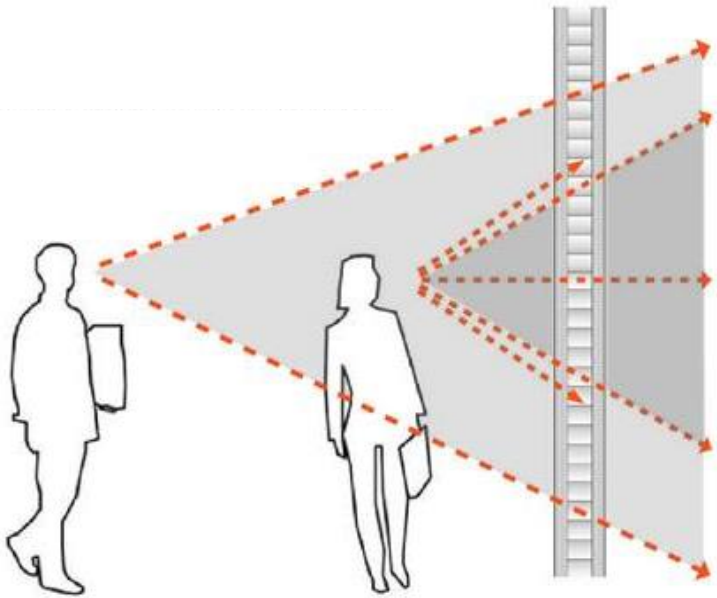
## APPLICATIONS

### Transform Spaces with LUMINOUS Translucent Honeycomb Panels

Discover the future of architectural design with our innovative translucent honeycomb panels. Engineered for both beauty and performance, these panels offer a unique combination of light diffusion, structural integrity, and aesthetic versatility, making them the perfect choice for a wide range of applications.

#### Architectural Applications

- **Interior Partitions**
  - Effortlessly divide spaces without sacrificing openness or natural lighting. Ideal for offices, residential areas, and commercial spaces seeking a balance between privacy and connectivity.
- **Backlit and Feature Walls**
  - From feature walls to custom installations, our panels serve as a canvas for creativity, allowing architects and designers to bring their visionary concepts to life.



## Why Choose LUMINOUS Translucent Honeycomb Panels?

### Directional Transparency + Privacy

Luminous panels offer a wide range of benefits to the architect, installer and client because they are self-structural. Easier to handle than drywall or glass, Luminous Translucent Honeycomb Panels also provide the unique benefit of Directional Transparency to create spaces where BOTH views and privacy are ideal.

### Additional Advantages of Translucent Honeycomb Panels

- **Transparency + Privacy:** Honeycomb cells simultaneously provide views and privacy
- **Lightweight Self-structural Design:** Honeycomb panels require minimal framing
- **Durability:** Durable facings and bonding ensure a long and useful life cycle
- **Easy Handling:** Honeycomb panels can be cut on site and handled by a single person
- **Sustainability:** Luminous panels contribute to LEED and are EPD certified
- **Customization:** Work with our knowledgeable team to customize the level of fabrication or performance required to maximize your project goals.







## FABRICATION, HANDLING AND INSTALLATION

Transform your architectural projects with our innovative Luminous Translucent Honeycomb Panels, combining elegance with exceptional durability. These panels are designed for versatility, pre-fabricated or on-site fabrication and aesthetic appeal, making them ideal for a wide range of applications from partition and doors to ceiling and feature wall.

### On-Site Fabrication Ease

Our panels can be easily fabricated on-site with typical woodworking tools. This flexibility allows for a seamless integration into your existing projects without the need for specialized equipment. Cut, trim, and adjust the panels directly at your construction site, ensuring a perfect fit every time.

### Simplified Installation

**Process** Installation of our Luminous Translucent Honeycomb Panels is straightforward and efficient. Utilizing commonly available U-channels and framing systems, these panels can be securely mounted with minimal effort. The lightweight and self-structural nature of the panels ensures a quick and easy setup, reducing both time and labor costs.

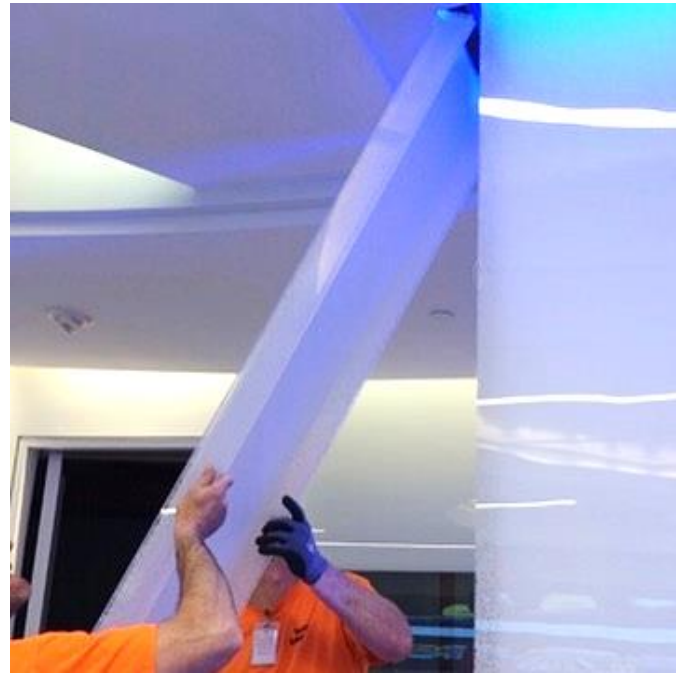
### Features and Benefits:

**Translucency:** Enhance natural light diffusion while offering varying levels of privacy, creating a bright and airy environment.

**Lightweight Design:** Our honeycomb core construction provides strength without the need for additional framing, facilitating easier handling and installation.

**High Durability:** Engineered for resilience, Luminous panels withstand the demands of private, public and institutional spaces.

**Eco-Friendly Materials:** Committed to sustainability, our panels contribute to LEED and achieved EPD certification.



## Streamlined Solutions with LUMINOUS Prefabricated Edge and Joint Details

Maximize efficiency in your architectural projects with our prefabricated edge and joint details. Our Luminous Honeycomb Panels can arrive installation-ready, reducing on-site labor and ensuring a precise fit with a professional and frameless finish.

### Perfect Compatibility

If the flexibility of on-site fabrication is preferred, Luminous honeycomb panels are fully compatible with commercially available framing systems, allowing for a straightforward and secure installation process.

### Seamless Aesthetics

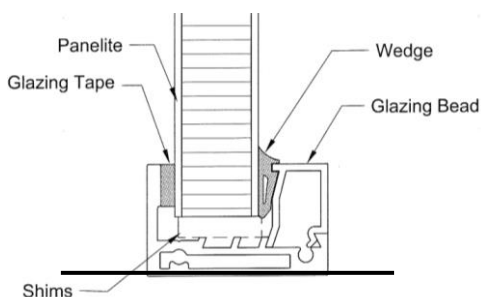
Our precision-engineered prefabricated details ensure that the visual continuity of your design is maintained, delivering a sleek, uninterrupted appearance.

### Tailored to Your Project

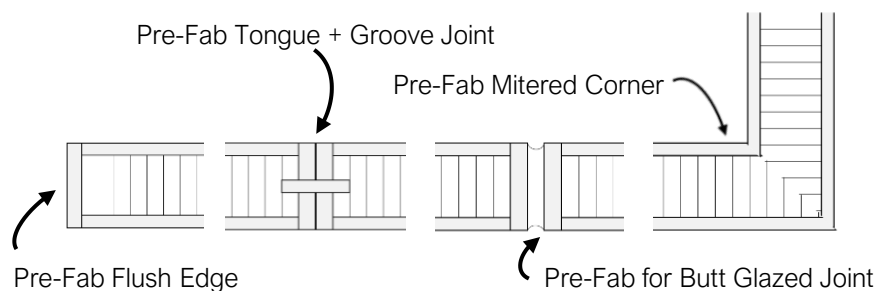
We offer customization to match specific design requirements, ensuring that our panels complement your unique vision without the need for extensive modifications.

### Ready for Modern Construction

Choose our honeycomb panels for a modern solution that prioritizes ease of installation, aesthetic coherence, and compatibility with existing framing systems.

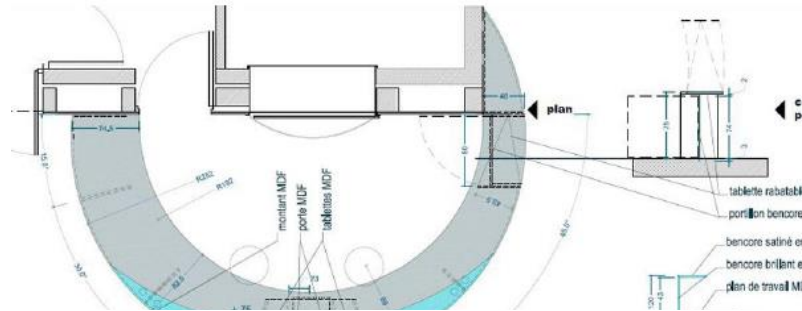


Section Detail: Third Party Framing System



Plan Section Details of LUMINOUS Pre-fabricated Details

## CUSTOM CURVES



## Elevate Interiors with Curved Luminous Translucent Honeycomb Panels

Discover the elegance of our custom-molded, curved translucent honeycomb panels, designed for interior partitions, doors, and millwork. Our advanced molding techniques produce lightweight, self-structural curves taking full advantage of Luminous' honeycomb structure. This translucent material diffuses light beautifully, enhancing any space with a soft, ethereal glow.

### Versatile and Aesthetic

- Partitions:** Divide spaces elegantly without losing light.
- Doors:** Combine privacy and light in modern designs.
- Millwork:** Perfect for sophisticated furniture and architectural details.

### Eco-Friendly and Customizable

Choose from a range of honeycomb and facing types in various colors and finishes to match your design needs, all while supporting sustainability with our eco-friendly materials. All Luminous panels have achieved EPD Certification.

Transform your space with our blend of beauty, functionality, and sustainability.

Contact us to inquire about available and possible radii and explore the possibilities.

# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



**LUMINOUS:** RING CORE, CLEAR TRANSPARENT, Flat and Custom Curved Panels

Brooklyn Interim Library, Brooklyn NY | CDR Studio Photo: G. Lyon

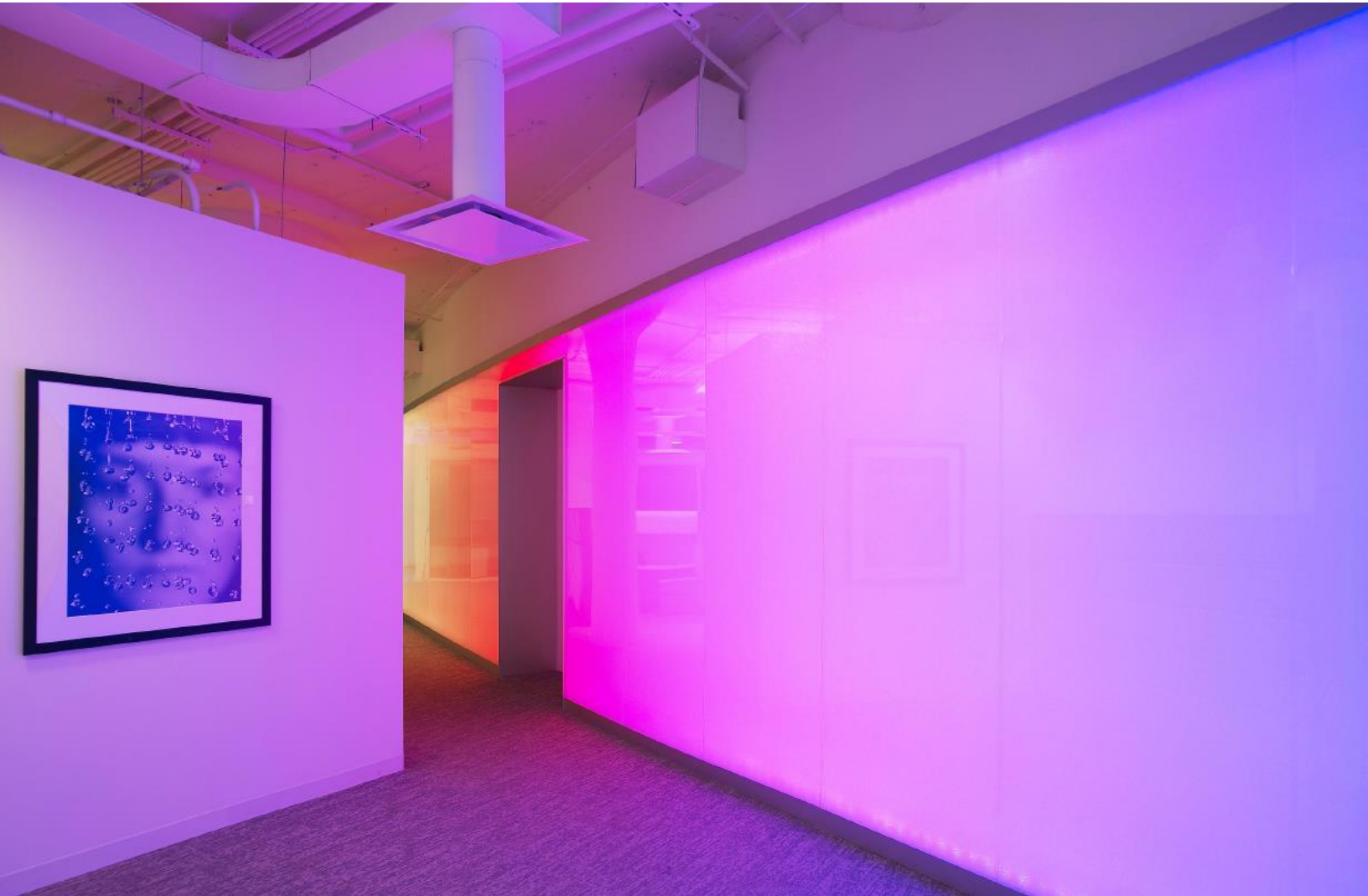


***LUMINOUS:* ILLUSION CORE, GREEN SATIN FACING, CUSTOM CURVED PANELS**

Nuno Nono Nursery, Valencia, Spain | Girod+Anton | Photo: M. Apollonio

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LUMINOUS | Translucent Honeycomb Panels + Systems



**LUMINOUS**  
**BUBBLES CORE**  
**CLEAR SATIN/TRANSP.**

Lifetime TV Offices, New York  
Architect: HOK  
Photo: Eric Laignel



# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



## ***LUMINOUS:* RINGS CORE, RED TRANSP. + FLUSH EDGE**

Google Offices, Seattle | DLR Group

Photo: Sam Van Fleet

# Materials inc

LUMINOUS | Translucent Honeycomb Panels + Systems

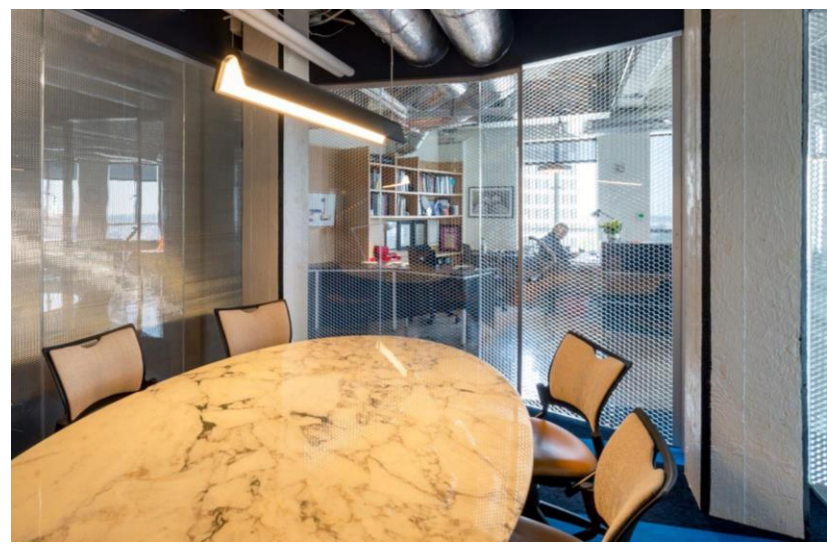
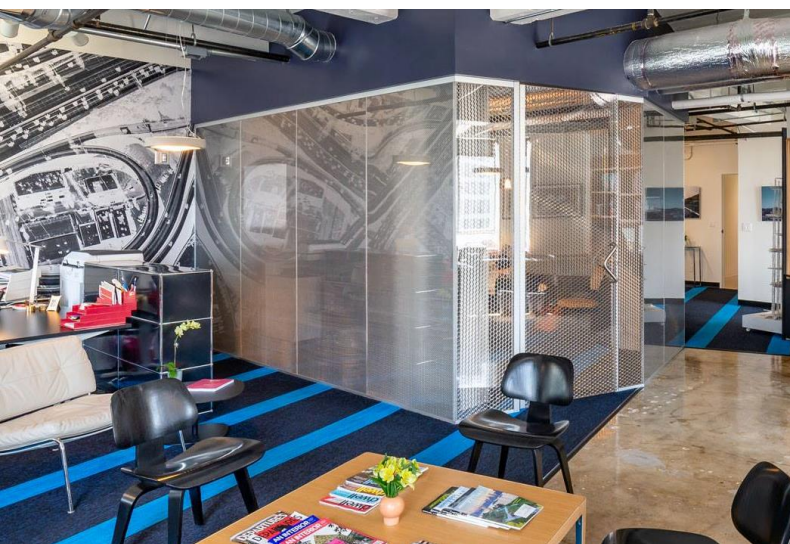
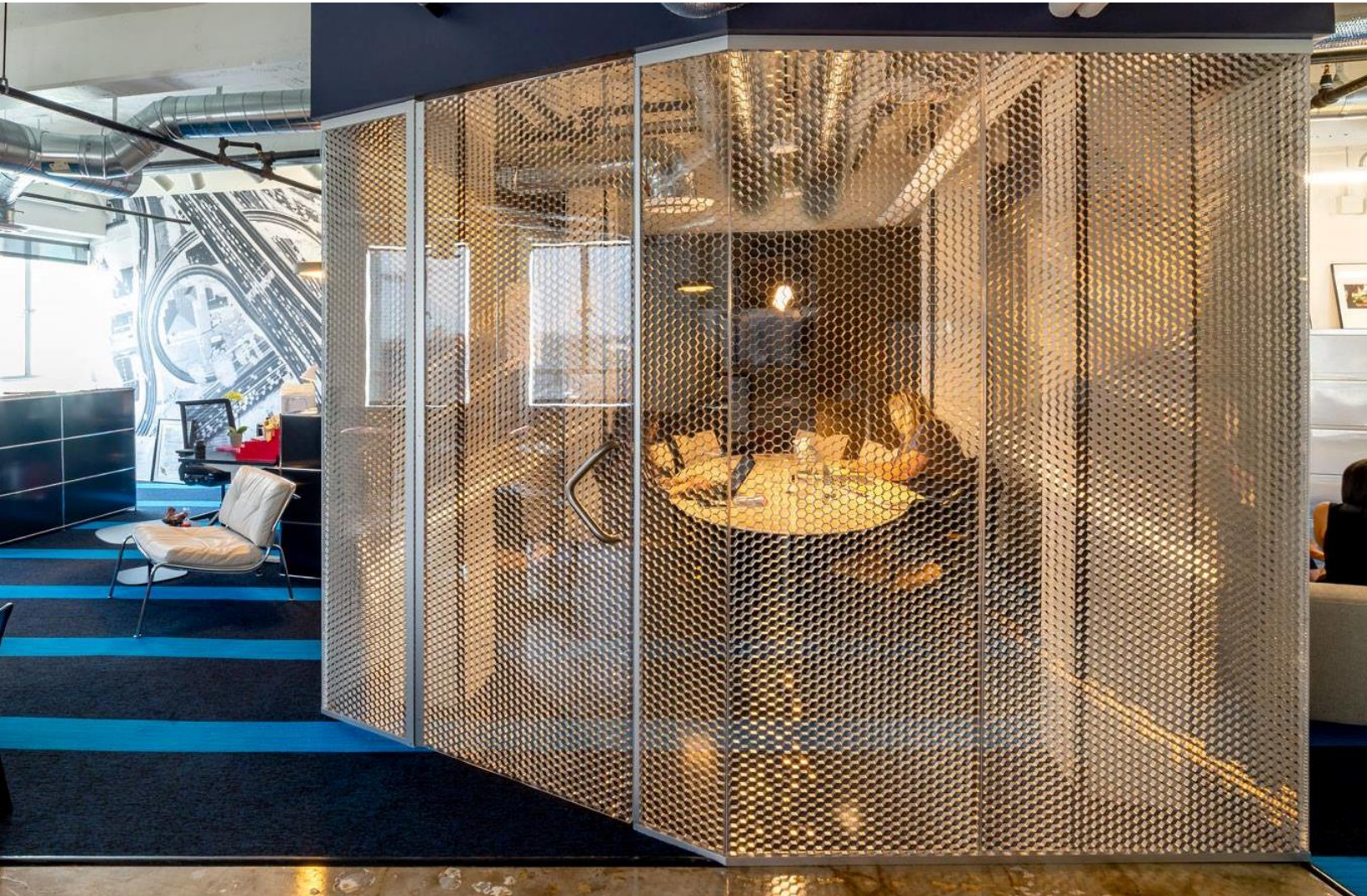


**LUMINOUS:** ILLUSION CORE, YELLOW TRANSPARENT



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LUMINOUS | Translucent Honeycomb Panels + Systems



**LUMINOUS:** HONEYCOMB LARGE CORE, CLEAR TRANSPARENT FACING  
AIA OFFICES, LOS ANGELES

# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



## ***LUMINOUS*** **RING CORE | CLEAR SATIN FINISH**

Sprint Executive Briefing Center

RMATA Architecture

Photo: James Allison



# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



## ***LUMINOUS:*** RINGS CORE, CLEAR SATIN

Magic Leap HQ, Miami, FL  
Glavovic Studio



# Materials INC

LUMINOUS | Translucent Honeycomb Panels + Systems



**LUMINOUS:** ILLUSION CORE, CLEAR TRANSPARENT



***LUMINOUS: Vertical panel: RINGS ACOUSTIC  
Desk panel: ILLUSION GREEN TRANSP.***



***LUMINOUS:* ILLUSION CORE, GREEN SATIN FACING**

Prague University, Czech Republic | Architect: Vysehrad Atelier

Photo: Filip Slapal