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## There's no ceiling to how we can help!

*Featured: Kingspan skylights, Ezobord ceiling grids, clouds, and baffles*

Each month, NTX Building Products highlights AIA/CEU opportunities, manufacturer updates, and architectural products.

Previously, we shone the spotlight on [Tubular Daylighting Devices by Solatube](#), [Solatube daylighting for storm shelters](#), and [reclaimed wood tabletops from NTX Building Products](#).

In this installment, we highlight Kingspan Skylights, Ezobord ceiling grids, clouds, and the new Amplitude baffles that can be fitted in conjunction with Solatube daylighting for a beautiful, functional acoustic dampening ceiling feature.

For a closer look, click the images below!



*Kingspan*

These prismatic polycarbonate skylights allow ample light to enter the space, diffusing the spaces with natural light, without sacrificing thermal performance. In the spotlight are Kingspan's commercial



*Ezobord Ceiling Baffles*

Acoustic grids and clouds offer the ability to dampen noise pollution in commercial spaces without sacrificing the beauty of design. We highlight Ezobord's ceiling fixtures, such as Acoustic Nets, Grids, and



*Ezobord Amplitude*

Acoustic nets are extremely versatile in not only their size, color and shape, but also in their applications. In the spotlight is the new Amplitude acoustic net, which comes in two patterns (wave and

skylights: KAT Dome, Acrylic, and Polycarbonate Heavy Weather.

Click the image above for more information!

the versatile Rail Ceiling Baffles with options for adding lighting.

Click the image above for more information!

weave) and can be integrated with Solatube Tubular Daylighting.

Click the image above for more information!

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## Kingspan

### 3 Types of Skylights



#### **KAT Dome Skylight - Series 1100**

**(<https://www.kingspan.com/content/dam/kingspan/kla/products/kat-dome/kingspan-kat-dome-promo-flyer-en-us.pdf>)**

Kingspan Advanced Technology (KAT) dome skylights feature a uniquely shaped dome, designed to capture light at low angles. Available in single, double or triple glazed configurations, as well as thermally broken and non-thermally broken configurations, these Series 1100 skylights are a durable daylighting solution.

- Available as single, double or triple glazed
- Clear or white glazing color options
- Frame is ideal for all roof types
- Available in thermally broken and non-thermally broken frame configurations.
- Achieves strong thermal performance without use of toxic fillers.
- 2021 IBC compliant
- NFRC-certified thermal performances
- 10-year warranty
- Stocked units available in standard sizes and glazing configurations
- All commercial unit skylights are manufactured in the United States.

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subject=Tell%20me%20more%20about%20Kingspan%20skylights!&body=Name%3A%0ACompany%3A%0AProject%20name%3A)



## Acrylic Skylight - Series 1400

(<https://www.kingspan.com/content/dam/kingspan/kla/products/acrylic-skylight/kingspan-series1400-unit-skylight-pds-r03-en-us.pdf>)

Monolithic (smooth) acrylic glazed skylights allow vast amounts of natural daylight into the building, which can allow for numerous health and well-being benefits for occupants while reducing energy consumption during peak energy use hours by lessening the need for artificial light sources. Acrylic skylights are versatile, with multiple dome configurations, and offer great value.

- Monolithic acrylic glazing offers competitive lighting and thermal performance values

- Bubble shaped dome(s)
- Single and double dome configurations available
- Extruded aluminum frame
- Corrosion resistant fasteners

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## Polycarbonate Heavy Weather/High Security Skylight - Series 1400 (<https://www.kingspan.com/content/dam/kingspan/kla/products/polycarbonate-heavy-weather-high-security-skylight/kingspan-polycarbonate-hwhs-brochure-en-us.pdf>)

Severe environments demand a skylight system that's dependable and impact resistant. Our polycarbonate Heavy Weather / High Security (HVHZ) skylights are an excellent choice. Backed by rigorous testing and certification, these systems are designed to be installed in the most demanding areas. Our polycarbonate glazing material also offers excellent visible light transmission along with a best in class solar heat gain coefficient.

- Polycarbonate glazing provides excellent impact resistance
- Bubble shaped dome
- Designed to perform in adverse weather
- Extruded aluminum frame and corrosion resistant fasteners
- Top down fasteners for additional attachment
- Santoprene thermoplastic gaskets

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## **Solatube**

**Integration with Ceiling Clouds & Grids**



## Ezobord Acoustic Net (<https://ezobord.com/acoustical-net/#>)

Ezobord's acoustical net is a completely customizable acoustic ceiling panel (<https://ezobord.com/ceilings-products/>) for excessively reverberant and acoustically demanding open-ceiling environments.

It can follow any form to encapsulate the visual space and envelope the audible spectrum. It is constructed from a series of flat and interlocking precision-cut louvres designed to rest on top of modular wall systems or to be suspended from ceilings.

Acoustical Net's open cell construction allows sprinkler placement, airflow, natural light penetration, and artificial lighting integration.

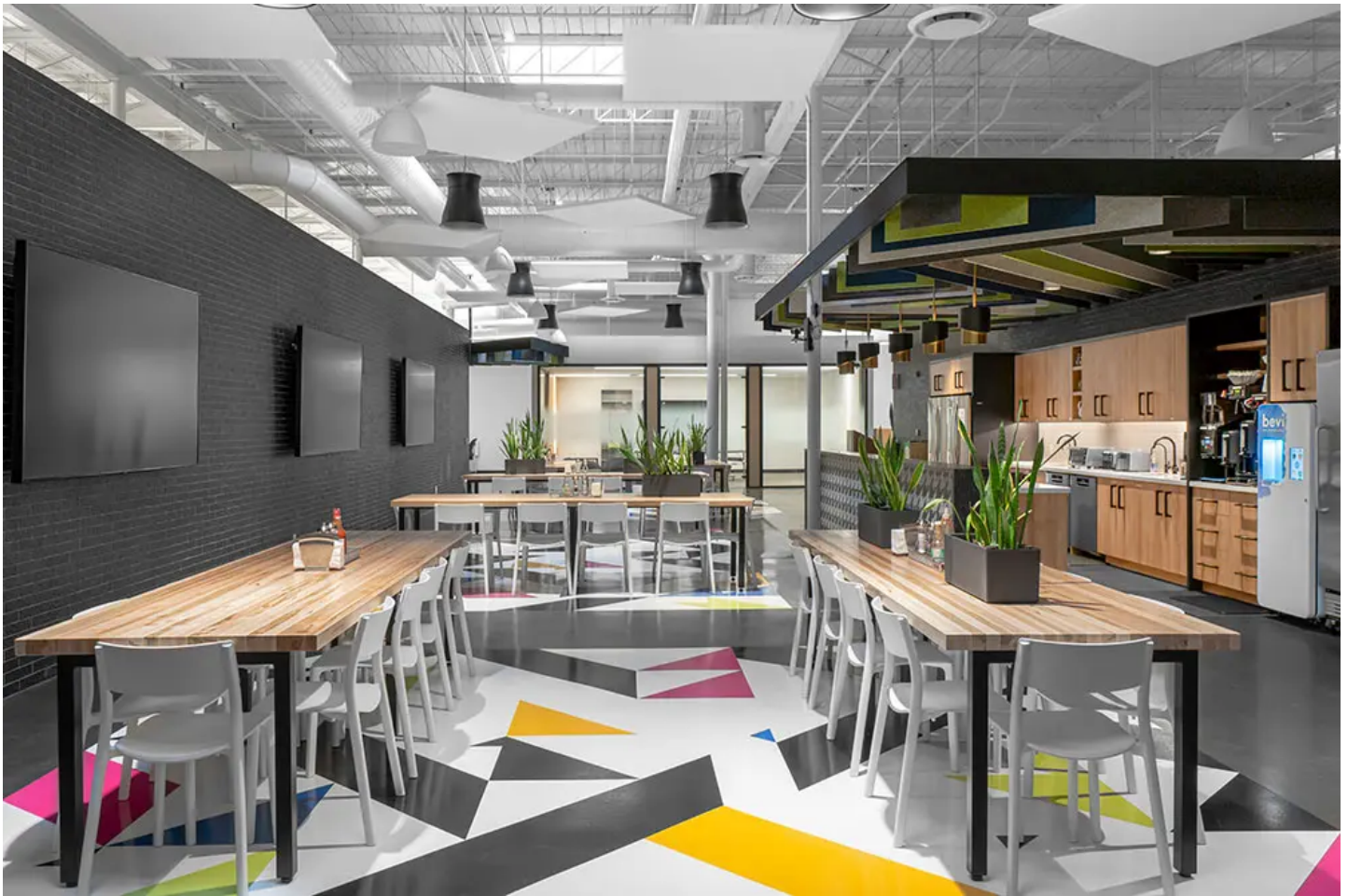
Made of polyester fiber, min. 50% of which comes from recycled water bottles which contributes to LEED MR Credit and BREEAM Health and Wellbeing, Materials points due to recycled content, acoustic performance, and low emitting materials. No VOC's: CDPH v1.2 and REACH SVHC Compliant.

Remove dust and dirt with a stiff plastic bristle brush. Distilled water can be used to remove stains. Always use a soft, clean cloth and blot dry. Vacuuming works great as well.

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## Ezobord Acoustic Geo Cloud (<https://ezobord.com/geo-clouds/#>)

Ezobord acoustic ceiling clouds — Geo Clouds, provide on-the-spot sound absorption while staying minimalist, coherent, yet noticeable. They can also be combined with our acoustic wall tiles (<https://ezobord.com/geo-tiles/>) to create a continuous flow from ceilings to walls.

Available in both standard and custom shape options, Geo Clouds help define any architectural space. These ceiling cloud panels can also be installed at an incline using appropriate installation methods.

Geo Clouds are available in a wide variety of colors, profiles and shapes with custom shapes and prints also available to fully customize to your installation. Geo Clouds are adjustable to various heights and angles and can be installed from deck, ceilings, drywall, standard T bar suspension systems or mounted to walls.

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## Case Study: The Emery Hotel (<https://youtu.be/pD539vDNivo>)

**CHALLENGE:** One of the most significant challenges encountered with this project was how to deliver direct natural light to a building surrounded by parking ramps and high-rise buildings, as well as how to capture the low-angle sunlight during the winter months. The design team needed to determine a way to capture and redirect enough sunlight deep into the building to keep the plants alive and accomplish the ownership's goal to create a green oasis in the middle of the city.

**SOLUTION:** Fourteen Solatube SkyVault M74 DS units were used to capture sunlight at the rooftop and transfer natural light deep into the historic bank lobby — on both sunny and cloudy days.

The SkyVault Collector and Amplifier extensions were also added to improve the delivery of daylight to the lobby floor. Featuring proprietary Raybender HD, LightTracker and INFRAREduction technologies, the SkyVault Collector maximizes daylight delivery by capturing and redirecting low-angle light downward into the system and minimizes solar heat gain by preventing heat-carrying infrared rays from entering the system. The cone-shaped SkyVault Amplifier, with 36 highly reflective facets made of proprietary Spectralight® Infinity material, reorients daylight to the visual task plane in occupied areas and converts daylight, traditionally delivered at inefficient angles, into useable light for increased optical efficiency.

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## **EzoBord**

### **Ceiling Applications**



## **Amplitude Ceiling Baffle (<https://ezobord.com/amplitude/#>)**

Amplitude is an expansive 3-dimensional modular, acoustic ceiling baffle system that exudes personality. It can extend linearly in two directions with various finish options within recessed or flush ceiling applications. Patterned to create that grand entrance, Amplitude is designed to adorn large areas including theatres, banquet halls, corporate lobbies, and educational centers.

Made with lightweight and sustainable EzoBord material that is acoustically optimized to support voice clarity, Amplitude provides textured relief by bridging the gap between thin profile baffle systems and large flat panel products.

Installation of the Amplitude system is fast and easy, as it is designed to mount directly onto any conventional T bar ceiling grid system. Its lightweight design means that it can be installed with minimal disruption to the space and can be easily reconfigured if needed.

With its superior acoustics, fire-resistant properties, and versatility, the Amplitude 3-dimensional acoustical ceiling system is a must-have for anyone looking to create a functional and visually stunning environment.

Made of polyester fiber, min. 50% of which comes from recycled water bottles which contributes to LEED MR Credit and BREEAM Health and Wellbeing, Materials points due to recycled content, acoustic performance, and low emitting materials. No VOC's: CDPH v1.2 and REACH SVHC Compliant

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## Integration with Solatube Tubular Daylighting (<https://youtu.be/MP2APH2TKyY>)

The design of the Ezobord Amplitude ceiling baffles can be optimized to be installed around and even below Solatube tubular daylighting fixtures. First, the baffles can be strategically positioned around the Solatube fixture to help disperse and diffuse the natural light that enters the room. This can help to create a more even distribution of light throughout the space and reduce the occurrence of glare or hot spots.

Additionally, the Amplitude ceiling baffles can be installed beneath the Solatube fixture to create a visually striking feature. By combining the natural light from the Solatube fixture with the texture and color of the Amplitude ceiling baffles, it is possible to create a dynamic and visually interesting ceiling design.

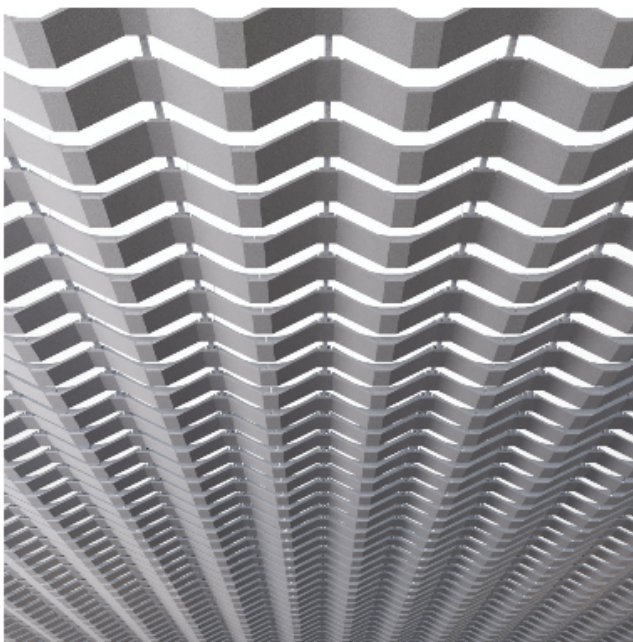
Finally, the Amplitude ceiling baffles can also be designed to work in conjunction with the Solatube fixture to improve the overall acoustics of the space. By using acoustic panels that are specifically designed to absorb sound, it is possible to reduce the amount of noise and echo in the room while still allowing natural light to enter through the Solatube fixture. This can create a comfortable and inviting indoor environment that is both visually appealing and acoustically comfortable.

Overall, the ability to design Amplitude ceiling baffles around, beneath, and in conjunction with Solatube daylighting fixtures offers a range of possibilities for creating bright, visually appealing, and acoustically comfortable indoor environments. With a thoughtful and strategic design approach, it is possible to create a space that is both functional and aesthetically pleasing.

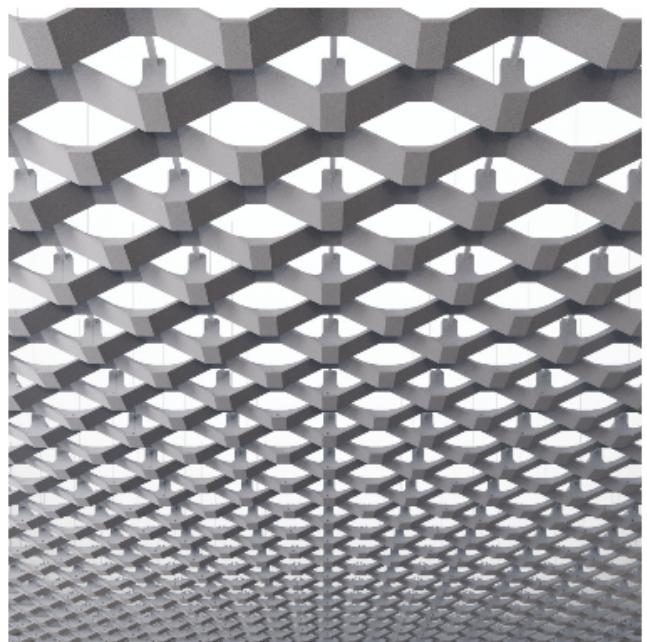
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WAVE PATTERN



WEAVE PATTERN



## Two Patterns: Wave & Weave (<https://ezobord.com/amplitude/#>)

Amplitude comes in two patterns. **Weave** embraces ceiling structures with an oscillating pattern that generates an intersecting ripple effect that can be repeated to generously extend its coverage over an entire ceiling. **Wave** arches and rises and then descends uniformly to deliver a streamlined pattern effect. Both can be outfitted inside of bulkheads or applied to open ceiling applications, in modular applications, or wall to wall spans.

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