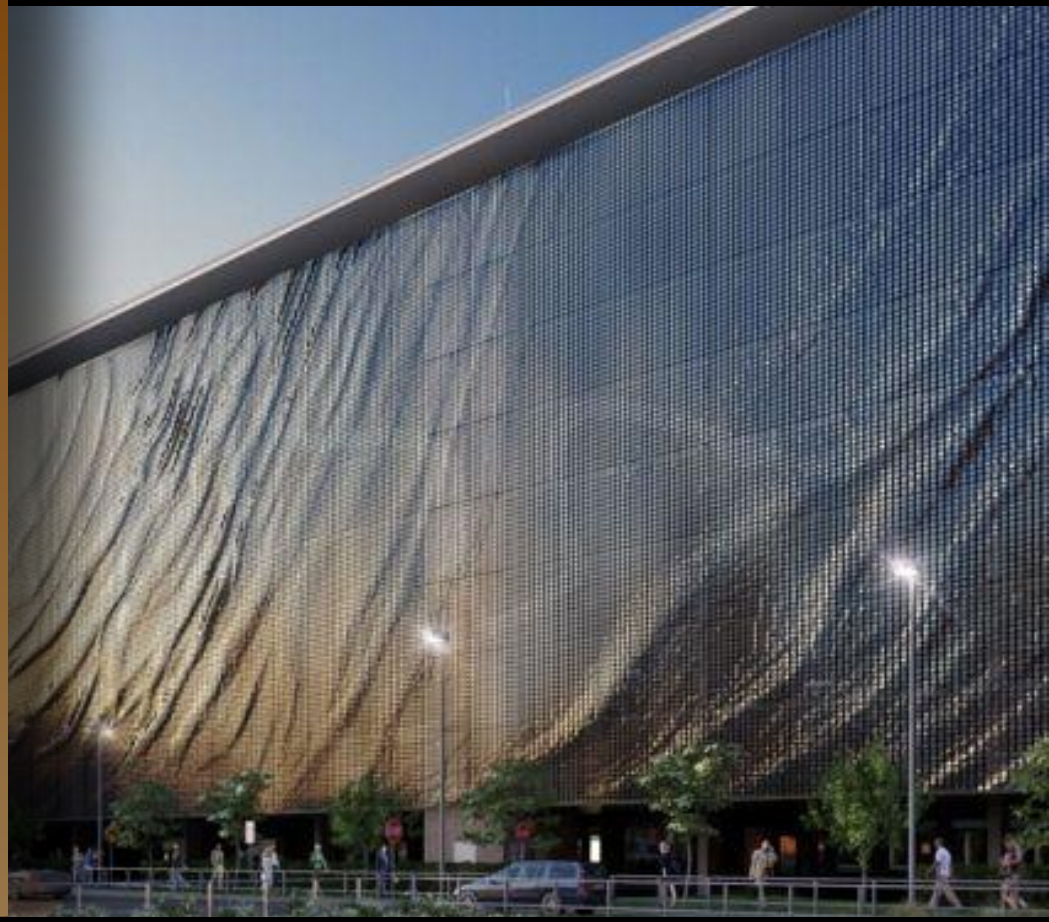
Dexxta Design

Smart Building Material

Product Catalogue 2024

DYNAMIC FACADE

FLAP®



FUELING POSSIBILITIES

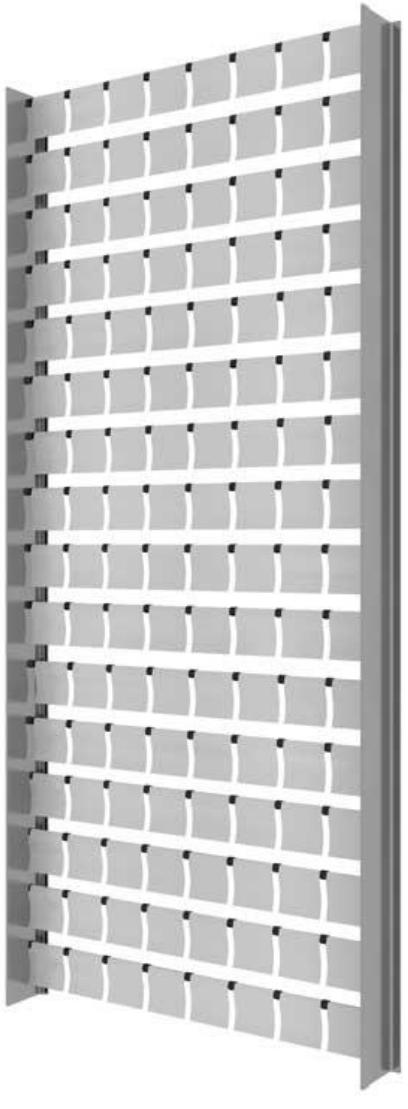
At Dexxta Design, we specialize in creating revolutionary materials that redefine spaces. Our focus extends to crafting light-sound interactive materials for architectural solutions. From vibrant color palettes to cutting-edge technology, we're dedicated to transforming the ordinary into the extraordinary.

Each of our divisions draw on these shared values and resources to produce precise, intelligent, and visually stunning results. Browse our library or contact us today to see how our potential can work for you.

About Company

Wind Driven Kinetic facade

Wind-driven kinetic façade systems often are constructed of hundreds or thousands of moving parts to provide the intentional dynamic effect for a building enclosure or structure. Responding to air currents, the flapper panel design creates the look of rolling waves across the wall. Designed to attract attention, these systems typically are installed on buildings in dense, urban areas. Along with creating visual interest with their movement, all kinetic installations can produce some level of ambient sound under higher wind conditions



Flap® Design

Merging Design & Technology

Wind Driven Kinetic facade

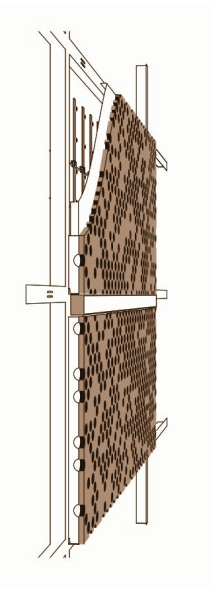
Aluminum is the most popular material for flappers in wind-driven kinetic façade systems, other options include **perforated materials, stainless steel, polycarbonate, PTFE, acrylic, and even PVDF films.**

The construction material, suspension system, and flapper geometry can be adjusted to ensure that the level, tone, and timbre of the resulting sound is acceptable.

Flap® Material

Insulation

Flap®'s Facades provide excellent thermal insulation, helping to regulate indoor temperatures and reduce energy consumption. Moreover, they offer sound insulation, minimizing noise pollution and creating a quieter indoor environment.



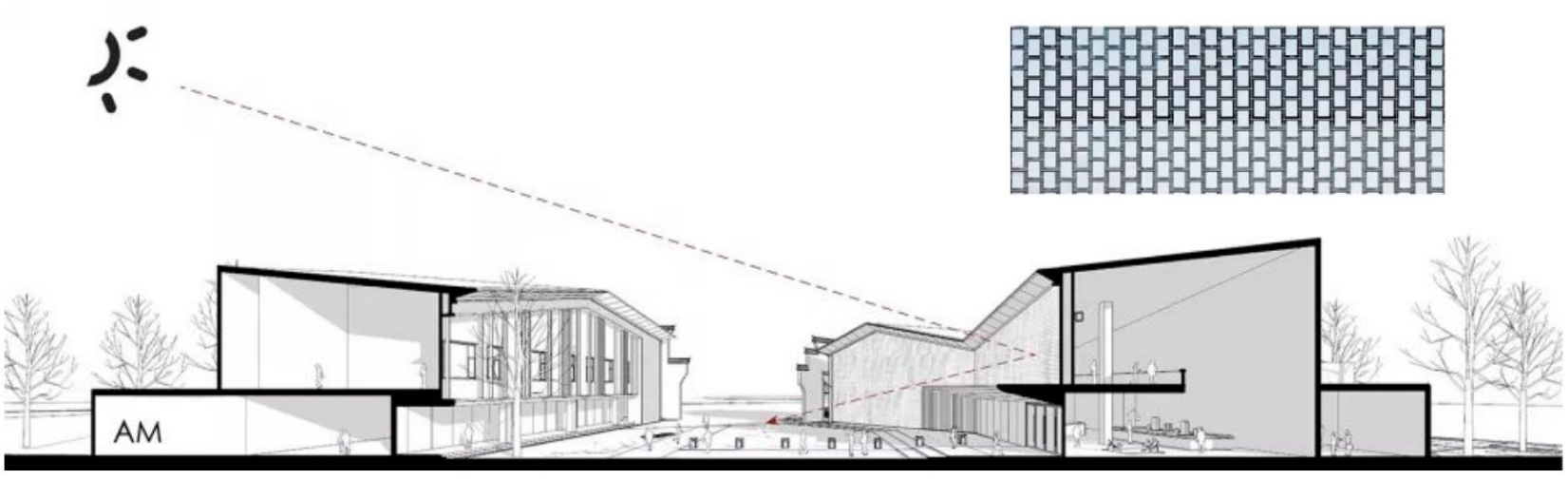
Interactive

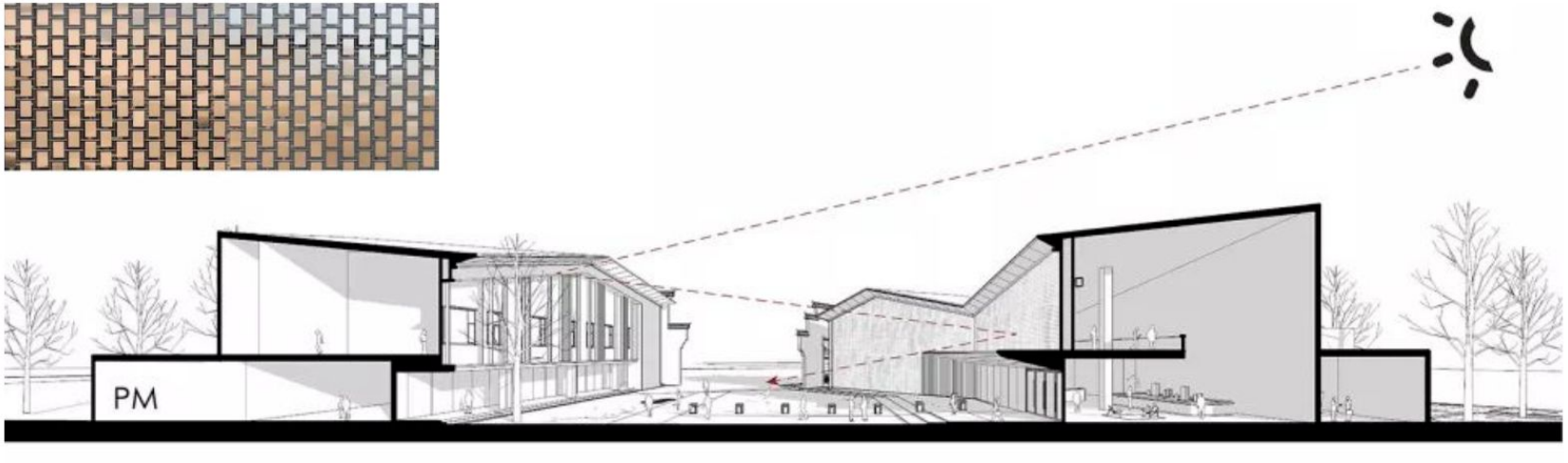
Flap® facades create a special visual effect as they move with the wind, adding dynamism and interactivity to the building's exterior. The kinetic movement of the facades enhances the building's aesthetics, creating a captivating visual impact that evolves with changing wind conditions.

Flap® Features

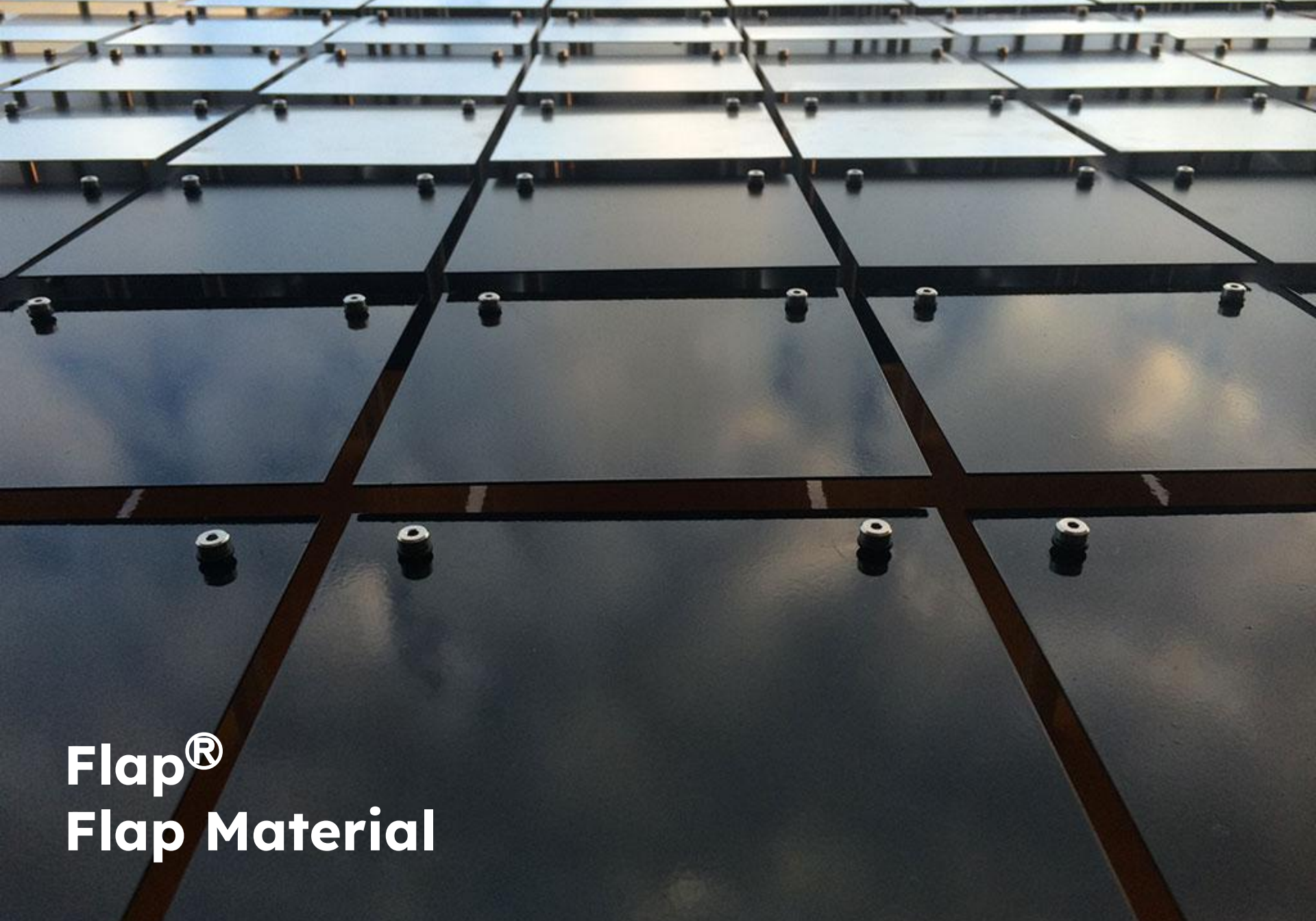
Energy Efficient

Through their combined features of thermal insulation, natural ventilation, and daylight optimization, wind-driven kinetic facades contribute to overall energy efficiency in buildings, leading to reduced energy consumption and operational costs.





Flap® Hues



Flap®
Flap Material

Flap®
Flap Facade

Get a modern take on a classic look that is sure to turn heads

Flap®
Flap Facade

Reimagine a timeless pattern

Flap®
Flap Design

Dexxta´s Flap are square-shaped terminals bring algorithms to life in your real-world design. With the addition of our integrated lighting, Dexxta's illuminated pattern can take your design to the next level. Our solutions addresses more down-to-earth needs, such as reducing echos & noises in the space.

Flap®
Flap Facades

Bring the essence of coding into your design

Flap®
Flap Facade

Flows smoothly into the next for an uninterrupted pattern

Flap®
Flap Facade

Enhance standard grid with elegant minimalism

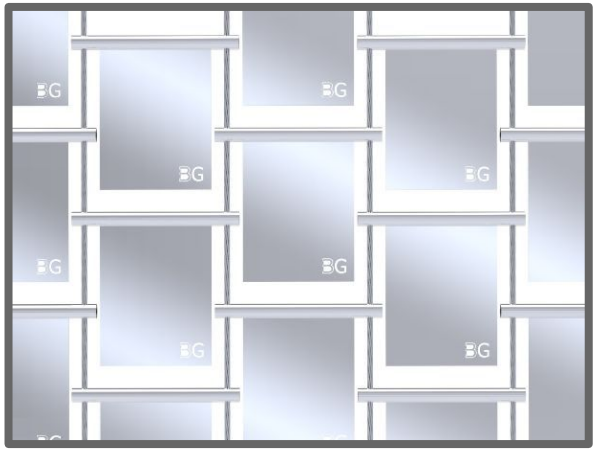
Flap®
Flap Facade

Patterns of connectivity and interaction

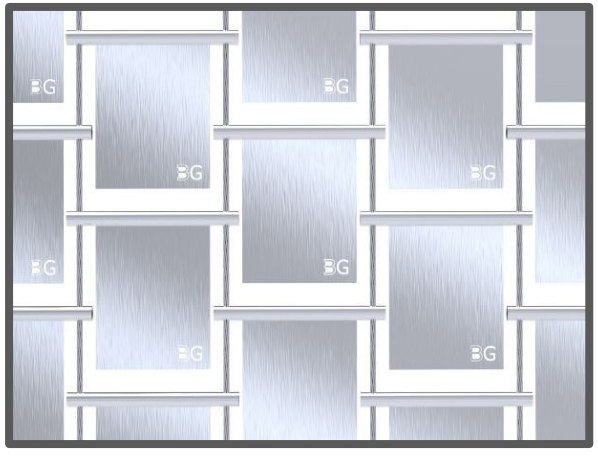
Material	Grade	Available Surface Treatment
Stainless steel	AISI304,316L, 316TI, 310S, 321, etc.	Burnishing; Powder coating; Color painting, grinding, polishing, etc.
Aluminum	1050, 1060, 3003, 5052, etc.	Burnishing; Anodizing, fluorocarbon coating, color painting, grinding
Copper	Copper 99.99% purity	Burnishing; Oxidation, etc.
Brass	CuZn35	Burnishing; Oxidation, etc.
Mild steel	S195, S235, SPCC, DC01, etc.	Burnishing; Hot dipped galvanizing; Powder coating; Color painting, etc.

Flap is generally manufactured in its original metal color. However, it must go through a series of surface finishes to satisfy the need of different environments and extend its service life. Perforated metal finish can alter the its surface appearance, brightness, color and texture. Some finishes also improve its durability and resistance to corrosion and wear.

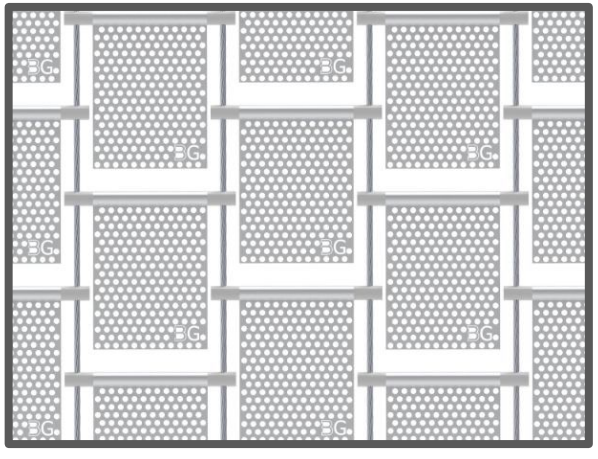
Flap® Finish



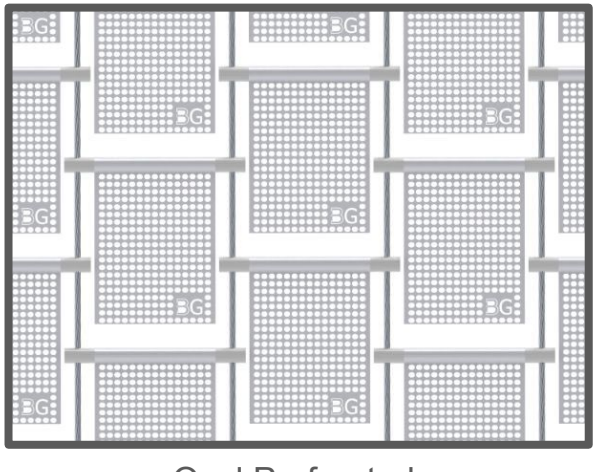
Mirror Surfaced



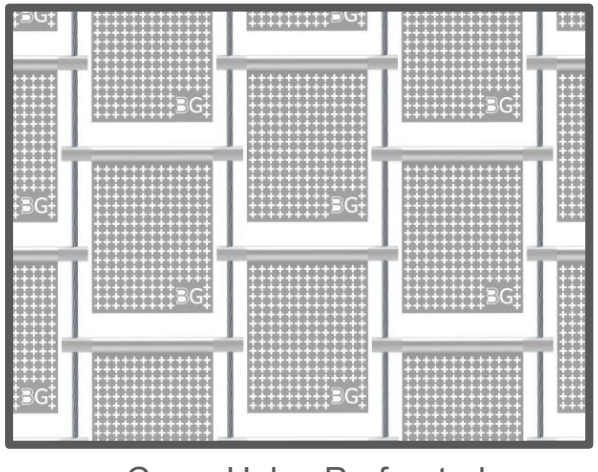
Brushed Surfaced



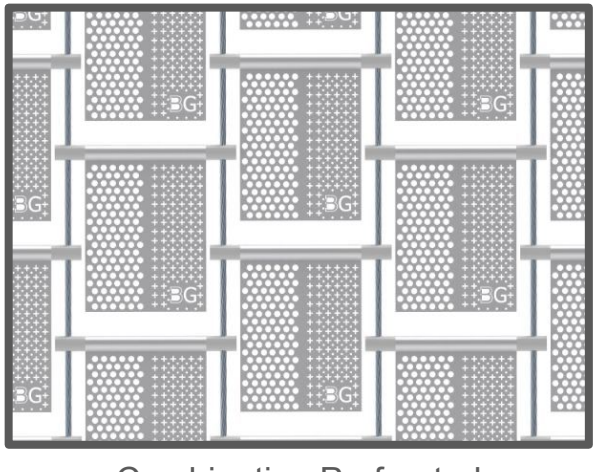
Perforated



Oval Perforated



Cross Holes Perforated



Combination Perforated

Flap® Patterns

Dexxta Design

Want to talk? Call us at 7503744343
Noida