



Light Weight



Recyclable

STANDARD
THICKNESS
AVAILABLE

18 mm

Customized thickness
options can also be provided
upon request.



**WORLD'S 1ST
HONEYCOMB PANELS
WITH FR CLASS A1
RATING**

WIDE RANGE OF
NATURAL STONE FINISHES



- Available in a wide range of natural stone finishes, including marble, limestone, and other natural stone variants.
- Luxury stone finish, lightweight performance, and easy installation.



VIVA STONE HONEYCOMB PANEL

The **beauty** of natural stone.
The **strength** of engineering.



LIGHTWEIGHT



HIGH
STRENGTH



FIRE
RESISTANT



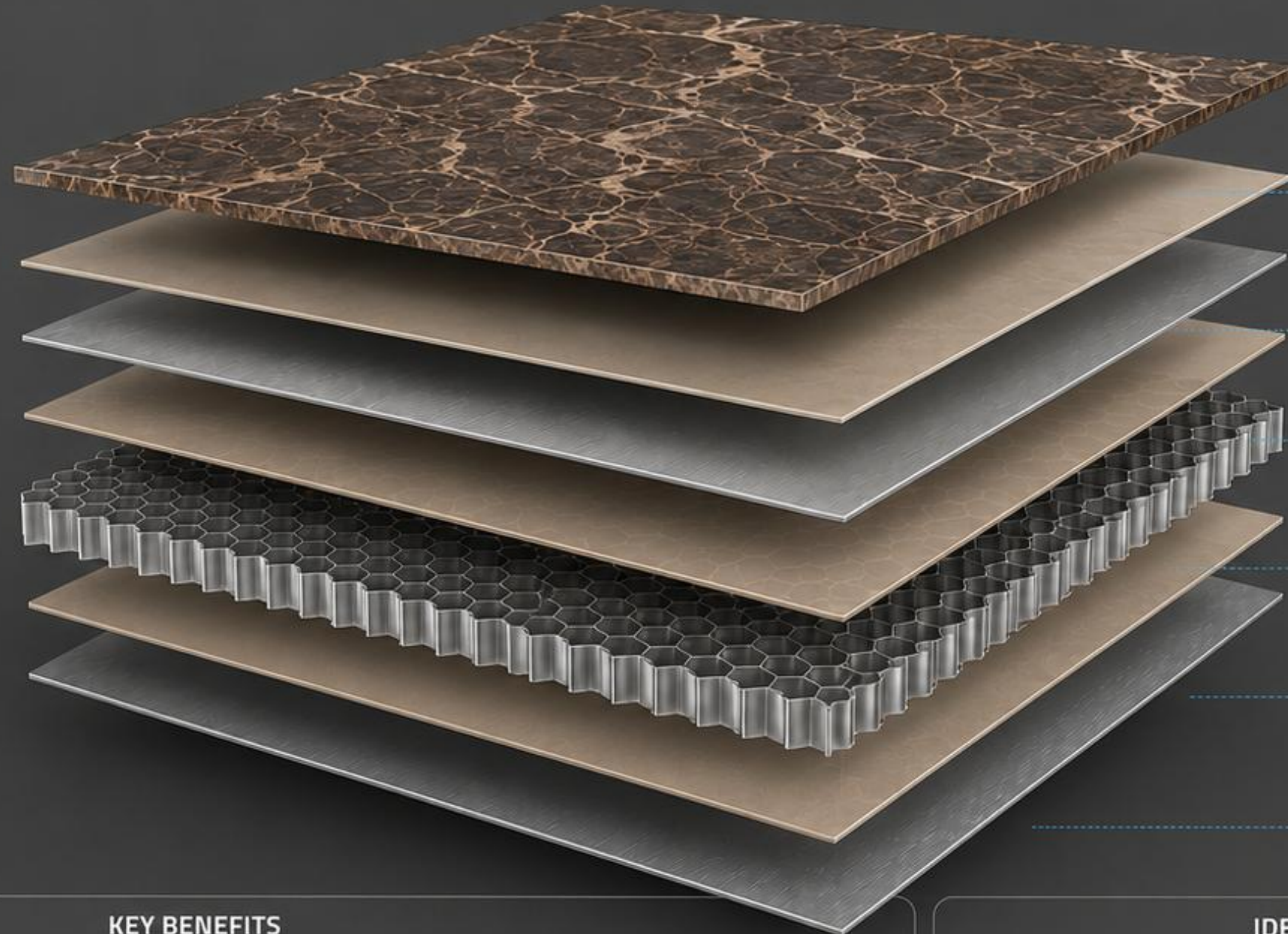
CORROSION
RESISTANT



NATURAL
ELEGANCE

STONE HONEYCOMB PANEL

LAYER BY LAYER EXCELLENCE



- A** **NATURAL STONE**
6mm Thickness
Authentic natural stone
- B** **STRUCTURAL ADHESIVES**
High performance bonding layer
- C** **ALUMINIUM SHEET**
Corrosion resistant & durable
- B** **STRUCTURAL ADHESIVES**
Superior bonding strength
- D** **ALUMINIUM HONEYCOMB CORE**
Lightweight yet exceptionally strong
- B** **STRUCTURAL ADHESIVES**
Ensures strong layer adhesion
- C** **ALUMINIUM SHEET**
Back sheet for added stability & flatness

KEY BENEFITS



LIGHTWEIGHT
Up to 70-80% lighter than solid stone



HIGH STRENGTH
Excellent load bearing & impact resistance



FIRE RESISTANT
Non-combustible core with superior safety



CORROSION RESISTANT
Resistant to moisture, chemicals & harsh weather



EASY & FAST INSTALLATION
Prefabricated panels for faster & cost-effective installation



PREMIUM FINISH
Real stone elegance with long-lasting durability & performance

IDEAL FOR



BUILDING FACADES



INTERIOR CLADDING



CEILINGS



ELEVATOR INTERIORS



MARINE APPLICATIONS

TRADITIONAL STONE FACADE VS HONEYCOMB STONE ACP



SAME BEAUTY. SMARTER PERFORMANCE.

TRADITIONAL STONE



Same Stone
Natural stone finish



Same Finish
Premium natural look



Heavy Weight
High dead load on structure



Impact Hazard
Brittle & prone to breakage



Half The Strength
Low flexural & impact strength



Small Panels
Limited size, more joints



Difficult To Install
Time consuming & costly



HONEYCOMB STONE ACP



Same Stone
Natural stone finish



Same Finish
Premium natural look



Light Weight
Up to **70-80%** lighter



Impact Safe
High impact resistance



Double The Strength
High flexural & impact strength



Large Panels
Big size, fewer joints



Easy To Install
Fast, simple & cost-effective

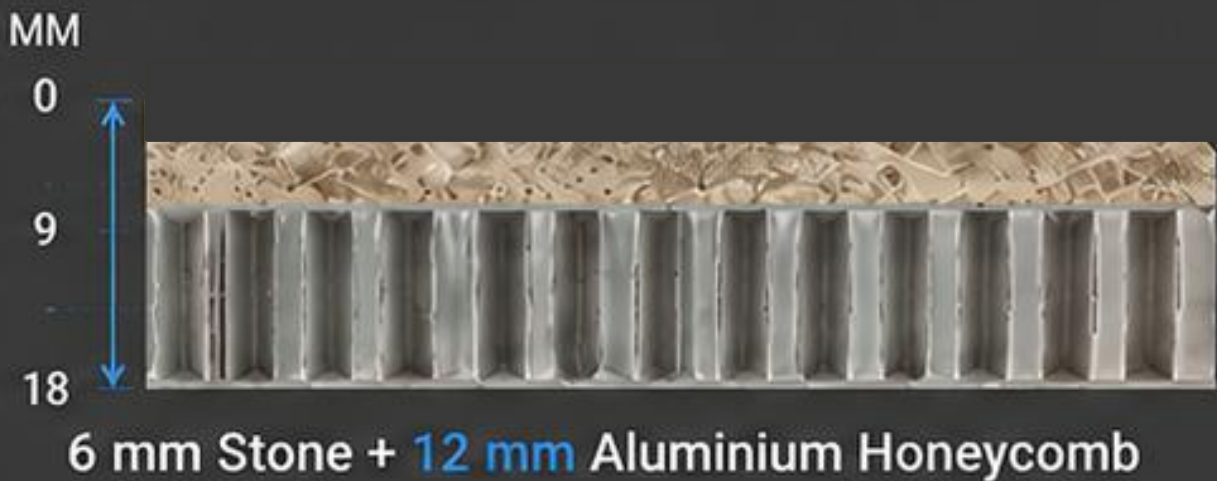
STONE HONEYCOMB PANELS

PANEL THICKNESS OPTIONS



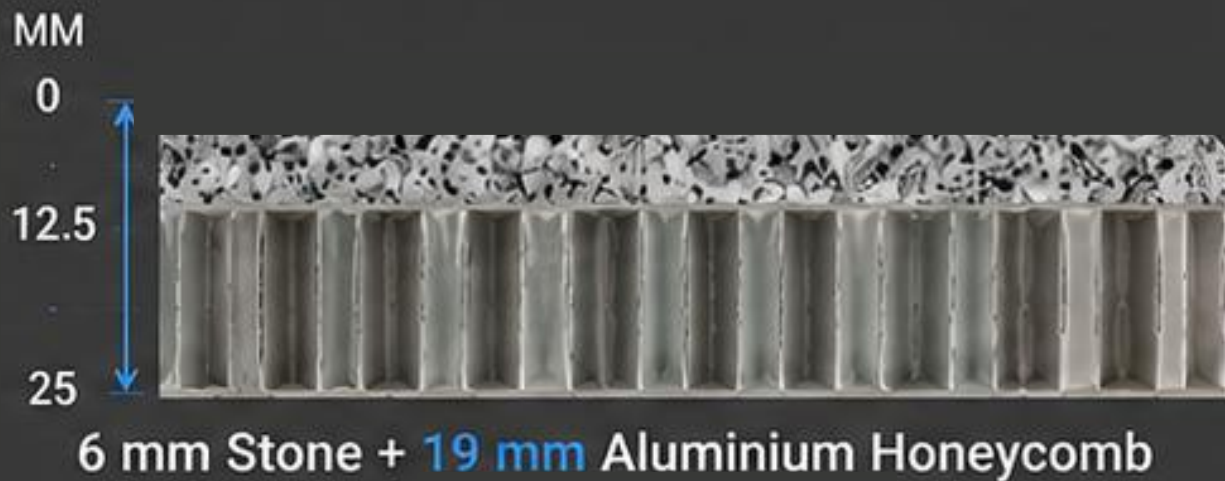
Engineered stone honeycomb panels with varying thickness options to suit diverse architectural and construction needs.

18 mm STONE HONEYCOMB PANEL



	Honeycomb Panel Thickness	18 mm
	Top Stone Thickness	6 mm
	Honeycomb Core	Aluminium Honeycomb Core
	Foil Thickness	50 µm / 70 µm
	Fire Performance	A1 (Non-Combustible) as per EN 13501-1
	Typical Applications	Interior Cladding, Wall Panels, Partitions, Ceilings, Furniture, Feature Walls

25 mm STONE HONEYCOMB PANEL



	Honeycomb Panel Thickness	25 mm
	Top Stone Thickness	6 mm
	Honeycomb Core	Aluminium Honeycomb Core
	Foil Thickness	50 µm / 70 µm
	Fire Performance	A1 (Non-Combustible) as per EN 13501-1
	Typical Applications	Exterior Cladding, Large Format Facades, High-Rise Buildings, Commercial Projects

WHY CHOOSE VIVA STONE HONEYCOMB PANELS?

- Lightweight Yet Strong
- Excellent Flatness & Dimensional Stability
- Corrosion & Moisture Resistant
- Sustainable & Recyclable
- A1 Fire Performance (Non-Combustible)
- Long Service Life
- Easy to Install & Maintain



CORE MATERIAL
Aluminium Honeycomb
(3000 Series Alloy)



FOIL THICKNESS
50 µm / 70 µm
(Aluminium Foil)



ALLOY
AA3003 /
AA3105



DENSITY RANGE
29 / 50 / 56 /
65 / 80 kg/m³



TEMPERATURE RANGE
-40 °C to
+80 °C



FIRE RATING
A1 (Non-Combustible)
as per EN 13501-1

KEY FEATURES: VIVA STONE HONEYCOMB PANELS



Lightweight
Yet Strong



A1 Fire
Performance



High Strength-to-
Weight Ratio



Exceptional
Flatness



Weather
Resistant



Corrosion
Resistant



Versatile
Applications



Sustainable
Solution



Large Panel
Capability



Low
Maintenance



Long Service Life



Easy & Faster
Installation



Excellent
Dimensional Stability



Customizable



High Impact
Resistance



Natural Stone
Appearance



LIGHTWEIGHT
SYSTEM



FIRE
RESISTANT



WEATHER
RESISTANT



LOW
MAINTENANCE



SUSTAINABLE
SOLUTION



PREMIUM
FINISH

JOINS IN STONE HONEYCOMB PANELS

VIVA Stone Honeycomb Panels are engineered with precision joining solutions to ensure seamless integration, structural stability, aesthetic continuity, and long-lasting performance for every façade application.



PRECISION ALIGNMENT

Engineered joins ensure accurate alignment and uniform gaps for a seamless and premium finish.



STRUCTURAL INTEGRITY

Joins are designed to maintain panel integrity and resist movement, impact, and vibration.



WEATHER RESISTANT

Advanced joining systems help prevent water ingress and enhance the façade's durability.



AESTHETIC CONTINUITY

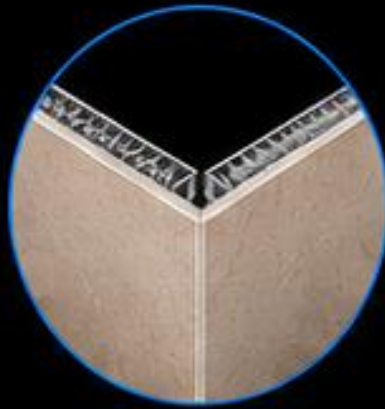
Clean, consistent joins deliver smooth visual flow and elevate the overall appearance.



EASY INSTALLATION

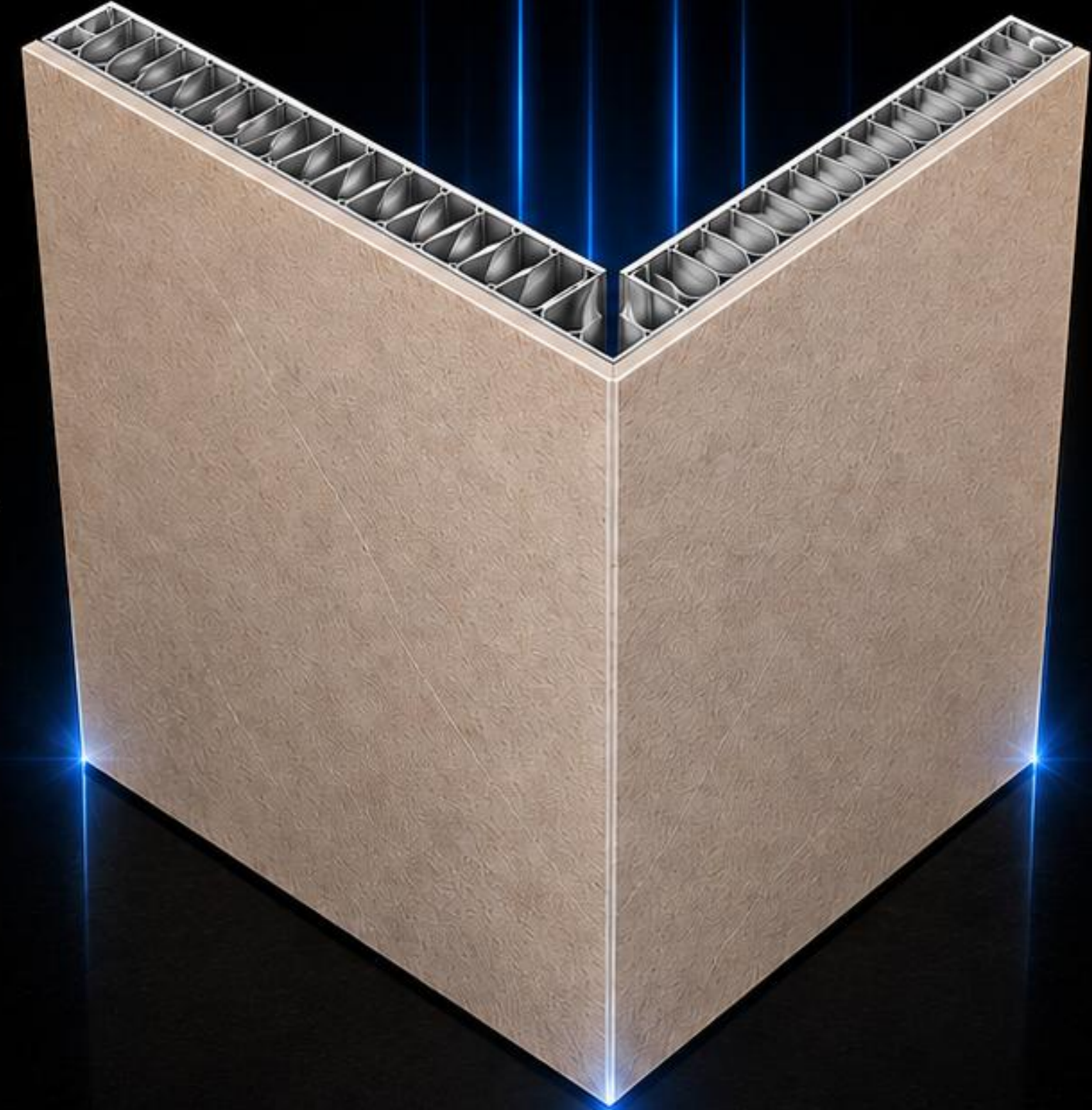
Compatible with industry-standard substructures and fixing systems for efficient on-site installation.

TYPES OF JOINS



CORNER JOIN (90°)

For external or internal corners, ensures strength and seamless alignment.

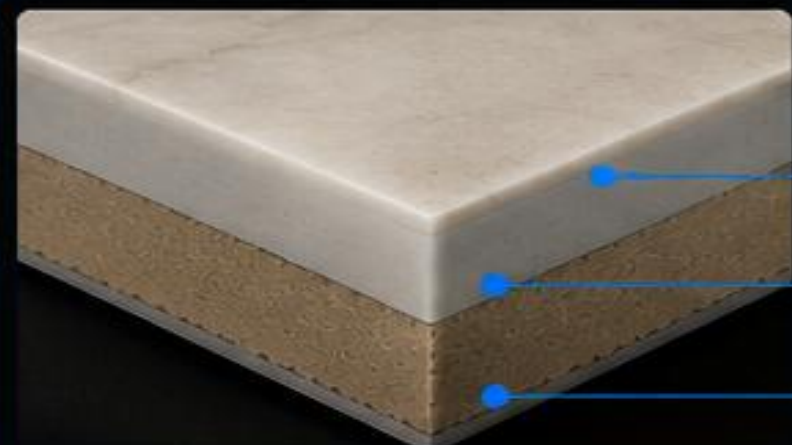


i NOTE: Join gaps and details may vary based on project requirements and installation conditions.

STONE HONEYCOMB PANELS

EDGE FILLING

Our stone honeycomb panels feature high strength edge filling using advanced epoxy putty to seal and protect the edges. This process ensures a smooth, uniform finish, enhances durability, and provides excellent resistance to moisture, impact, and corrosion.



EDGE FILLING WITH EPOXY PUTTY

Stone surface

Epoxy putty
edge filling

Honeycomb core

KEY BENEFITS

- ✓ Sealed and protected edges
- ✓ High impact and edge strength
- ✓ Moisture and corrosion resistant
- ✓ Smooth, uniform and premium finish
- ✓ Long lasting durability in all environments



PREMIUM
AESTHETICS



STRONG &
DURABLE EDGE



MOISTURE
RESISTANT



IMPACT
RESISTANT



PRECISE
FINISH



ELEGANT
LOOK

COMPONENTS OF THE SYSTEM:



Wall Substrate
Concrete or structural wall.



Horizontal Interlocking Rails
Concrete or structural wall.



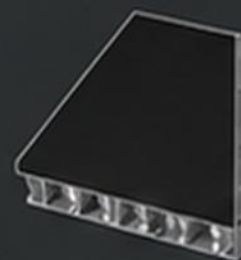
Aluminium Wall Brackets
Securely anchor the structure to the building.



Concealed Interlocking Clips
Support and align the panels.



Vertical Aluminium Profiles
Primary load-bearing members.



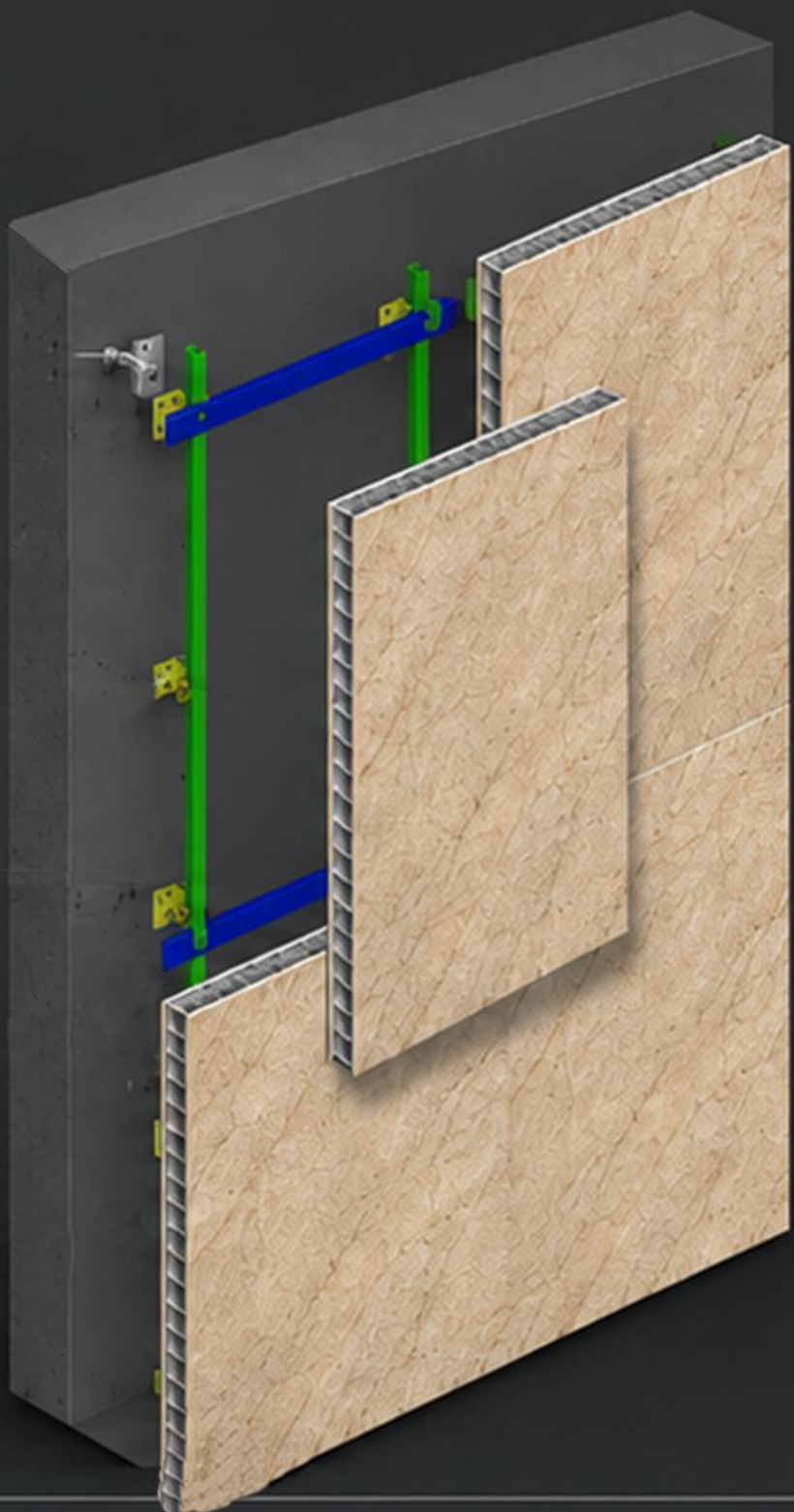
Viva Stone Honeycomb Panel
Lightweight composite panel comprising natural stone, aluminium skins, and an aluminium honeycomb core.



Screw
Stainless Steel (5.5 mm Thickness)
(25 mm - 45 mm)



Rivets
Blind pop Rivets

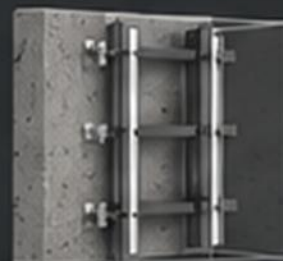


INSTALLATION ADVANTAGES

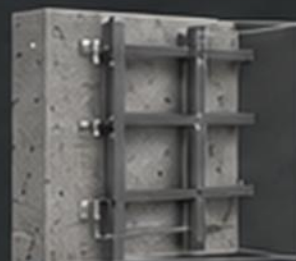
- Dry Installation System
- Hidden Fixing Mechanism
- Precise Alignment
- Fast & Easy Installation
- Excellent Load Distribution
- Easy Panel Replacement
- Suitable for High-Rise Buildings
- Low Maintenance



STEP 01
Fix Helping Hand Brackets to RCC Wall



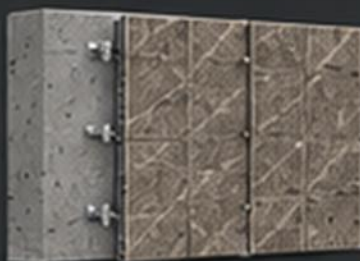
STEP 02
Install Aluminium Vertical Rails



STEP 03
Fix Horizontal Carriers



STEP 04
Mount Stone Honeycomb Panels



STEP 05
Final Alignment & Joint Finishing

Viva Stone Honeycomb Panels are installed using a precision-engineered dry fixing system. The combination of stainless steel anchor fasteners, aluminium brackets, vertical rails, and horizontal carriers creates a secure, lightweight, and durable façade solution. This system enables fast installation, accurate panel alignment, simplified maintenance, and long-term performance.



LIGHTWEIGHT
SYSTEM



HIDDEN
FIXING



EASY
MAINTENANCE



CORROSION
RESISTANT



HIGH
STRENGTH



FASTER
INSTALLATION



SUSTAINABLE
SOLUTION

EASY TO INSTALL

Designed for **Efficiency**.
Built for **Performance**.

Our aluminium panels are lightweight, easy to handle and quick to install, reducing on-site time and labour costs without compromising on quality or durability.



LIGHTWEIGHT

Easy to handle and transport, reducing structural load.



FASTER INSTALLATION

Saves time on-site with simple fabrication and fixing.



COST EFFECTIVE

Lower installation time and labour costs for better project efficiency.



RELIABLE PERFORMANCE

Engineered for long-lasting strength and durability.



QUICK & EASY INSTALLATION

Panels are easy to cut, shape and fix, enabling faster project completion.



REDUCED MANPOWER

Lightweight panels require less manpower and equipment, optimizing resources.



SAFE & SECURE

Non-combustible and stable panels ensure safety and reliability on site.



PERFECT FIT & FINISH

Precision-engineered panels ensure a seamless finish with minimal wastage.

INSTALLATION ADVANTAGES:

MECHANICAL CONNECTION, FIRM & RELIABLE



NO GLUE & NO GROUT



NO LEVELING



NO SHOVELLING WALLS



NO WOODEN BOARD



NO STEEL KEEL



NO SEWAGE



NO CONSTRUCTION WASTE



NO FUGITIVE DUST



SMARTER INSTALLATION. SUPERIOR RESULTS.

Our mechanical connection system ensures a clean, fast, and reliable installation – eliminating on-site hassles and delivering long-lasting performance.



**FASTER
INSTALLATION**



**STRONG &
DURABLE**



**LESS LABOR &
MORE EFFICIENCY**

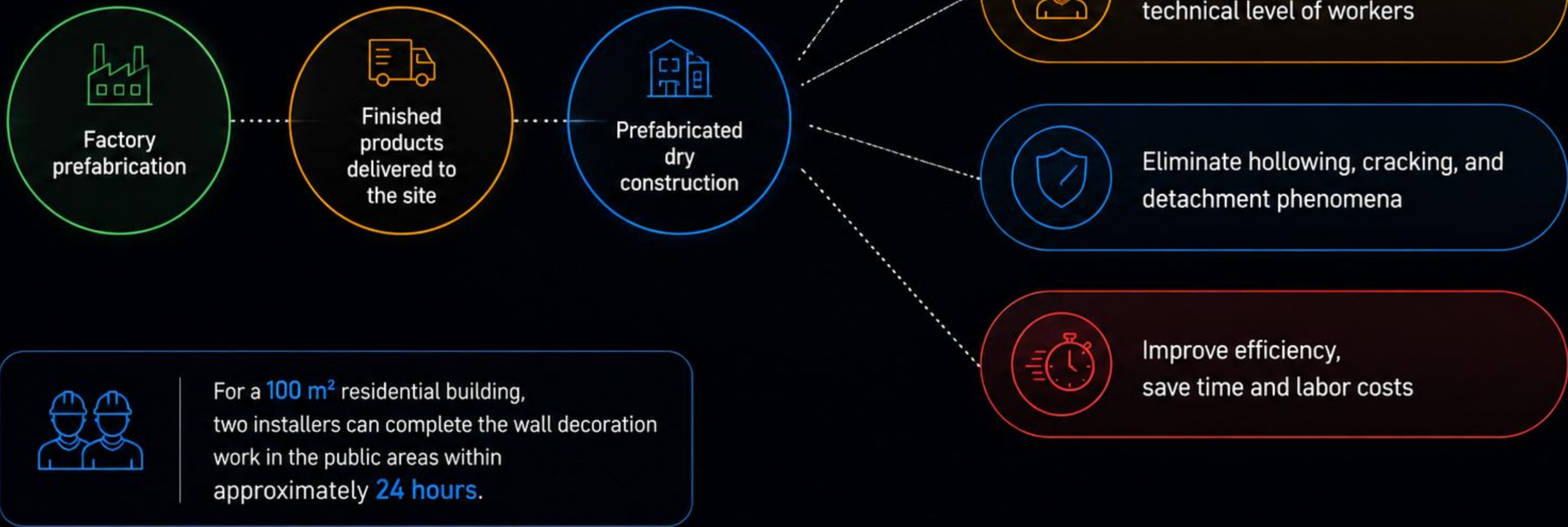


**CLEAN &
ECO-FRIENDLY**

SOLVING COMMON PROBLEMS IN STONE CONSTRUCTION

Integrated Stone systems complete over 90% of the construction process in the factory before arriving on site.

As a result, on-site installation becomes simple, fast, and highly efficient, similar to assembling prefabricated building components.



STONE HONEYCOMB PANELS

LARGE FORMAT. LIGHTWEIGHT. LIMITLESS POSSIBILITIES.

Engineered for modern architecture, our Stone Honeycomb Panels are available in large formats to reduce joints, speed up installation, and deliver a seamless finish.



LARGE FORMAT PANELS

Fewer joints for a seamless and premium look



LIGHTWEIGHT & STRONG

Easy to handle, transport and install without compromising strength



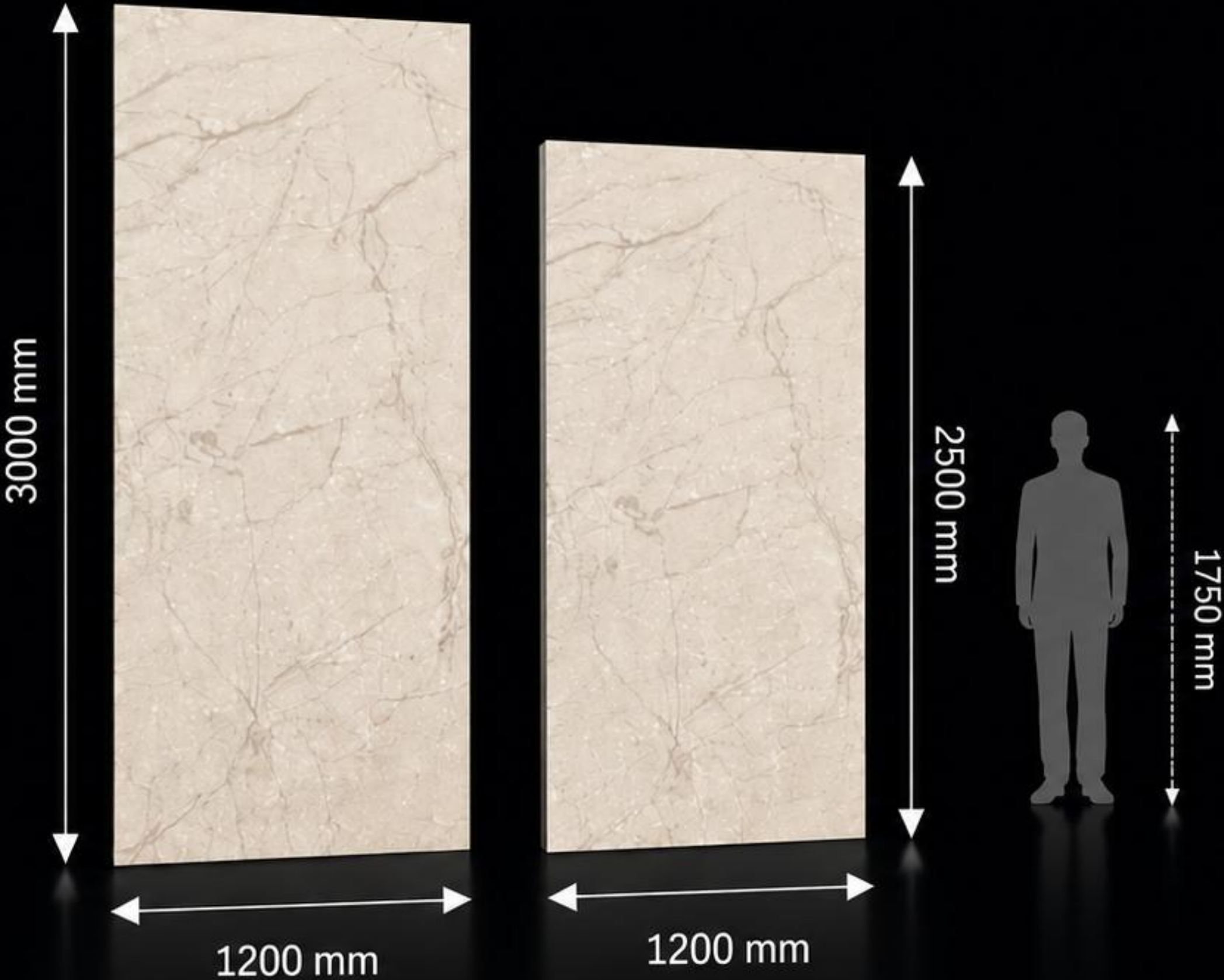
FASTER INSTALLATION

Bigger panels, less time, more efficiency on site



RELIABLE & DURABLE

Built for long-lasting performance with exceptional stability and safety



The VIVA STONE HONEYCOMB PANEL SOLUTION

VIVA Stone Honeycomb Panels are designed as part of a high-performance façade system that contributes to improved thermal performance. The combination of a natural stone veneer, aluminium honeycomb core, and engineered ventilated façade design helps optimize the building envelope.

When incorporated into a properly designed rainscreen or ventilated façade system, VIVA Stone Honeycomb Panels can help reduce solar heat gain, improve thermal efficiency, and contribute to lower energy demand for heating and cooling.

HOW IT WORKS



The ventilated façade cavity helps dissipate accumulated solar heat.



The honeycomb composite construction supports thermal stability.



The façade system reduces direct heat transfer to the building envelope.



When combined with thermal insulation, the system enhances overall building performance.



Improved thermal comfort can reduce reliance on mechanical heating and cooling systems.

BENEFITS OF ENERGY EFFICIENCY



Helps reduce heating and cooling loads.



Contributes to lower building energy consumption.



Supports improved indoor thermal comfort.



Enhances the overall thermal performance of the building envelope.



May contribute to lower operating and maintenance costs over the building's lifecycle.



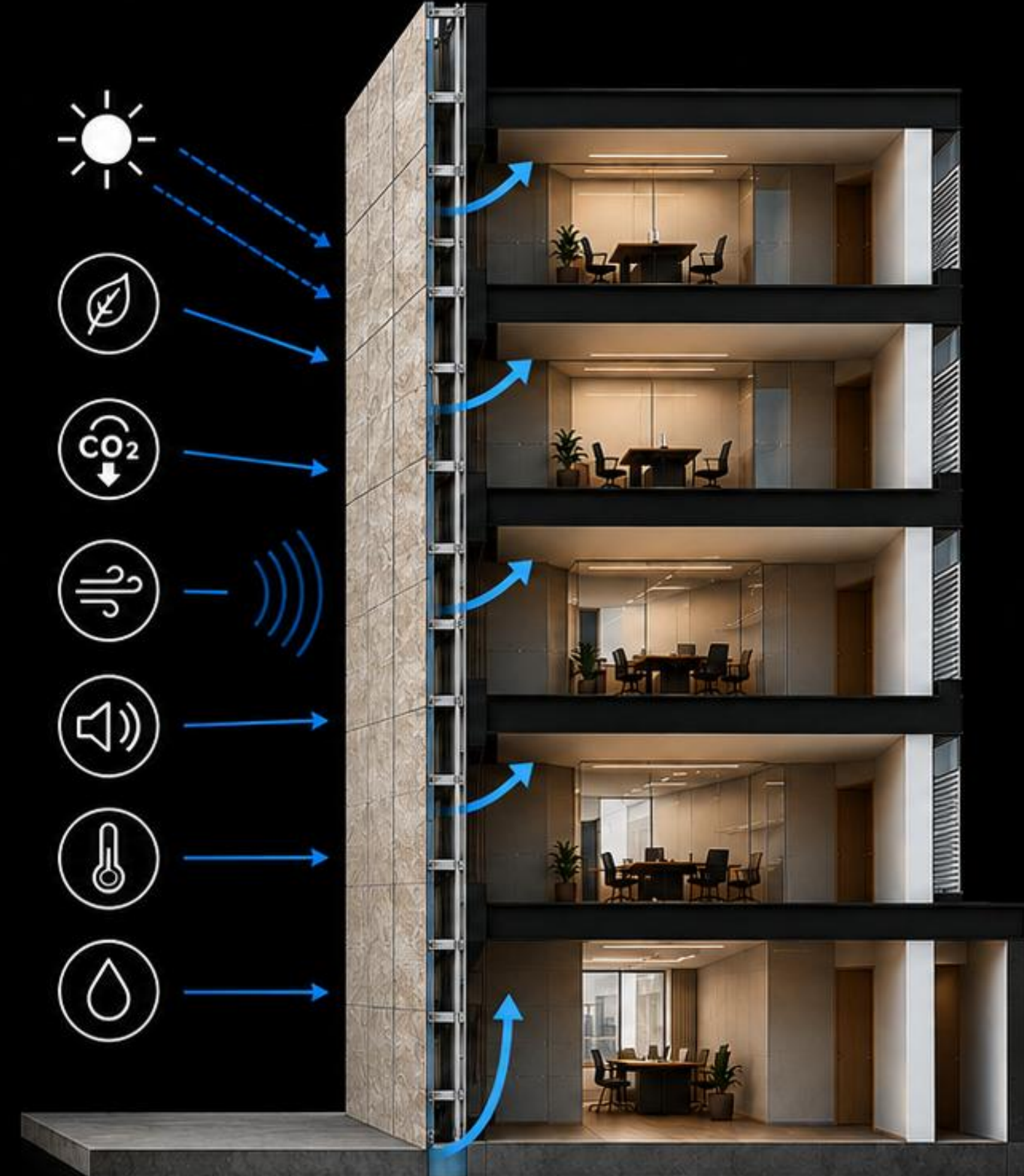
Supports sustainable and energy-efficient building design.



Contributes toward green building certification programs such as IGBC and GRIHA.



Complements projects pursuing environmentally responsible construction practices.



IMPORTANT NOTE: The energy performance of a building depends on the complete building envelope, including insulation, glazing, air barriers, ventilation strategy, orientation, climate, and HVAC design. VIVA Stone Honeycomb Panels contribute to improved thermal performance as part of a properly engineered façade system and should not be considered the sole factor in reducing building energy consumption.

SOUND INSULATION

The VIVA **STONE HONEYCOMB** PANEL SOLUTION

VIVA Stone Honeycomb Panels are designed as part of a modern ventilated façade system. The combination of a natural stone facing, aluminium honeycomb composite construction, and engineered façade assembly contributes to improved acoustic performance when integrated with appropriate insulation materials and air cavities.

The overall façade system helps reduce the transmission of external noise while maintaining the aesthetic appeal of natural stone.

BENEFITS OF IMPROVED ACOUSTIC PERFORMANCE

-  Helps reduce external noise transmission.
-  Contributes to improved indoor comfort.
-  Compatible with acoustic insulation systems.
-  Suitable for buildings located in busy urban environments.
-  Supports high-performance building envelope designs.
-  Maintains architectural aesthetics without compromising façade performance.
-  Ideal for projects requiring enhanced occupant comfort.

IDEAL APPLICATIONS

-  Airports
-  Hotels and Resorts
-  Hospitals
-  Educational Institutions
-  Corporate Offices
-  Commercial Buildings
-  Residential Towers
-  Convention Centres
-  Transportation Hubs



IMPORTANT NOTE:

The acoustic performance of a façade depends on the complete wall assembly, including insulation, air cavity, backing wall, glazing system, joints, and installation details. Project-specific acoustic requirements should be verified through appropriate design and testing.



MOISTURE RESISTANCE

The VIVA STONE HONEYCOMB PANEL SOLUTION

VIVA Stone Honeycomb Panels incorporate a natural stone veneer permanently bonded to an aluminium honeycomb core and continuous aluminium backing sheet. This engineered composite construction helps minimize moisture penetration within the panel itself and contributes to the long-term durability of the façade.

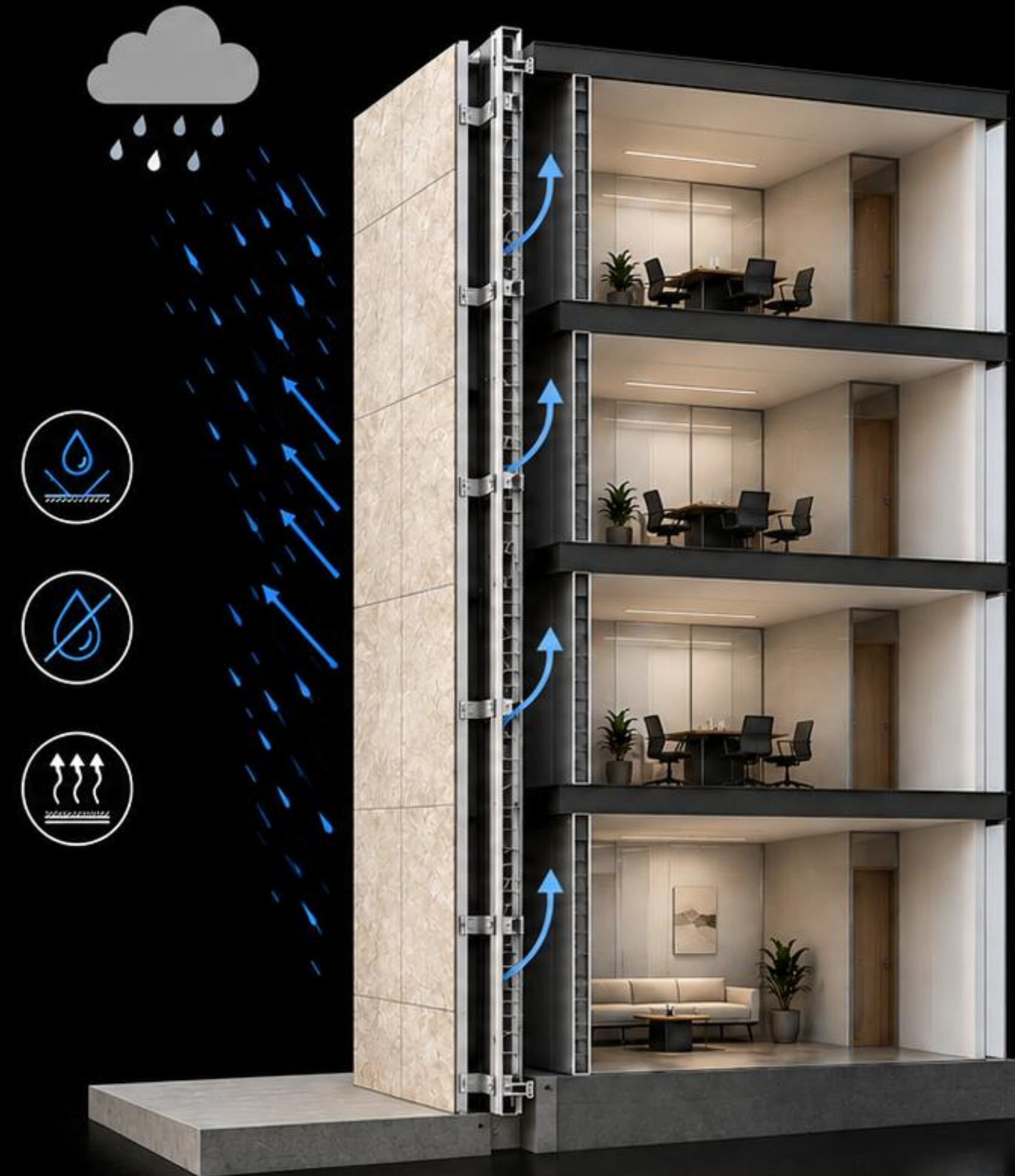
When installed with properly designed joints, sealants, drainage, and ventilation, the façade system provides effective protection against environmental moisture.

BENEFITS OF MOISTURE RESISTANCE

-  Aluminium backing sheet acts as an effective moisture barrier within the panel.
-  Helps minimize moisture migration through the composite panel.
-  Supports long-term dimensional stability.
-  Reduces the likelihood of moisture-related deterioration within the panel assembly.
-  Compatible with ventilated rainscreen façade systems.
-  Helps maintain the appearance and durability of the natural stone finish.
-  Suitable for humid, coastal, and high-rainfall environments.

APPLICATIONS

-  Coastal Developments
-  High-Rise Buildings
-  Hotels & Resorts
-  Hospitals
-  Commercial Complexes
-  Airports
-  Residential Towers
-  Public Infrastructure
-  Industrial Facilities



 **IMPORTANT NOTE:** VIVA Stone Honeycomb Panels are designed to provide moisture resistance as part of a complete façade system. Overall weather performance depends on the panel joints, sealants, drainage, ventilation, fixing system, and installation quality. Proper façade design and installation are essential to achieve optimum moisture protection.

Stone Honeycomb Panels

Applications



BUILT FOR VERSATILITY. DESIGNED FOR EXCELLENCE.



Applications of Viva Stone Honeycomb Panels



BUILDING FACADES

Premium stone finish for stunning, durable and long-lasting façades.



INTERIOR CLADDING

Create elegant interiors with the beauty of natural stone.



CEILINGS

Lightweight panels ideal for ceilings in commercial and residential spaces.



ELEVATOR INTERIORS

Enhance elevator cabins and lobby walls with a luxurious stone look.



SIGNAGE & FEATURE WALLS

Perfect for creating striking feature walls and corporate branding.



CORRIDORS & PASSAGES

Durable and impact-resistant solutions for high-traffic areas.



BALCONIES

Weather-resistant panels ideal for balconies and parapet walls.



COLUMNS & PILLARS

Add strength and elegance to structural columns and pillars.



BOUNDARY WALLS

Stylish and durable solution for boundary and compound walls.



COMMERCIAL SPACES

Ideal for malls, retail outlets, hotels and corporate buildings.

WHY VIVA STONE HONEYCOMB PANELS?



LIGHTWEIGHT
Easy to handle & install



HIGH STRENGTH
Superior load bearing & impact resistance



WEATHER RESISTANT
Resistant to moisture, UV & harsh weather



FIRE RESISTANT
Non-combustible core for enhanced safety



LOW MAINTENANCE
Easy to clean & long-lasting



COST EFFECTIVE
Saves time & cost in installation



SUSTAINABLE
Eco-friendly & 100% recyclable



PREMIUM FINISH
Real stone elegance with consistent quality

APPLICATION

BUILDING FAÇADE FOR STONE HONEYCOMB PANELS

Stone Honeycomb Panels are an ideal solution for modern building façades, combining the timeless elegance of natural stone with advanced honeycomb technology to deliver superior performance, durability and aesthetic appeal.



Premium Façade Aesthetics

Adds the elegance and grandeur of natural stone to modern buildings.



Durable & Long Lasting

Engineered for superior strength and long-term façade performance.



Weather Resistant

Performs effectively in harsh environmental conditions.



Lightweight Solution

Reduces structural load for safer, more efficient constructions.



Sustainable Choice

Recyclable materials for greener, responsible buildings.



Easy & Faster Installation

Prefabricated panels ensure precision and reduced on-site time.



APPLICATION

INTERIOR CLADDING SOLUTIONS

Stone Honeycomb Panels elevate interiors with the timeless beauty of natural stone, combined with lightweight technology and superior performance for elegant, durable and high-end spaces.



PREMIUM AESTHETICS

Real stone finish adds sophistication and elegance to any interior space.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling, reduced load on structures.



DURABLE & RELIABLE

High-strength panels ensure long-term durability and impact resistance.



EASY TO INSTALL

Prefabricated panels allow faster installation with minimal disruption.



NATURAL BEAUTY

Authentic stone veneer brings warmth, texture and natural charm.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



APPLICATION

ELEVATOR INTERIORS SOLUTIONS

Stone Honeycomb Panels bring the elegance of natural stone to elevator interiors, offering a perfect blend of luxury, lightweight performance, and durability for high-traffic environments.



PREMIUM AESTHETICS

Natural stone finish creates a luxurious and sophisticated ambience.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling and reduces load on elevator structures.



DURABLE & RELIABLE

High-strength panels deliver long-term durability and impact resistance.



EASY TO INSTALL

Prefabricated panels allow faster installation with minimal disruption.



NATURAL BEAUTY

Authentic stone veneer adds warmth, texture and timeless elegance to interiors.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



APPLICATION

COLUMNS & PILLARS SOLUTIONS

Stone Honeycomb Panels enhance columns and pillars with the natural elegance of stone and the advantages of honeycomb technology, delivering exceptional strength, lightweight performance, and long-lasting beauty.



PREMIUM AESTHETICS

Natural stone finish adds sophistication and elegance to any space.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling and reduces load on structures.



DURABLE & RELIABLE

High-strength panels deliver long-term durability and impact resistance.



EASY TO INSTALL

Prefabricated panels allow faster installation with minimal disruption.



NATURAL BEAUTY

Authentic stone veneer adds warmth, texture and timeless appeal to columns and pillars.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



APPLICATION

CRUISE SHIP INTERIORS SOLUTIONS

Stone Honeycomb Panels bring the natural beauty of stone to cruise ship interiors, combining luxury aesthetics with lightweight construction, superior durability, and excellent resistance to moisture, corrosion and marine environments.



PREMIUM AESTHETICS

Real stone finish delivers a luxurious and sophisticated ambiance on board.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling and reduces load on ship structures.



DURABLE & RELIABLE

High-strength panels offer long-term durability and impact resistance.



MOISTURE & CORROSION RESISTANT

Engineered to withstand humidity, salt air and marine environments.



EASY TO INSTALL

Prefabricated panels enable faster installation with minimal disruption.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



APPLICATION

COMMERCIAL SPACES SOLUTIONS

Stone Honeycomb Panels enhance commercial spaces with the natural beauty of stone and the advantages of honeycomb technology, offering a perfect combination of elegance, durability, and performance for modern businesses.



PREMIUM AESTHETICS

Real stone finish adds sophistication and elegance to any commercial space.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling and reduces load on structures.



DURABLE & RELIABLE

High-strength panels deliver long-term durability and impact resistance.



EASY TO INSTALL

Prefabricated panels allow faster installation with minimal disruption.



NATURAL BEAUTY

Authentic stone veneer adds warmth, texture and timeless appeal to interiors.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



APPLICATION

SIGNAGE SOLUTIONS

Stone Honeycomb Panels offer the perfect solution for premium signage, combining the natural beauty of stone with lightweight durability and exceptional flatness for stunning, long-lasting brand displays.



PREMIUM AESTHETICS

Natural stone finish delivers a sophisticated and high-end look for brand signage.



LIGHTWEIGHT SOLUTION

Honeycomb core ensures easy handling and reduces load on structures.



DURABLE & RELIABLE

High-strength panels resist impact, moisture, UV rays, and weathering.



EASY TO INSTALL

Prefabricated panels allow quick installation with minimal disruption.



NATURAL BEAUTY

Authentic stone veneer adds timeless elegance and elevates brand identity.



SUSTAINABLE CHOICE

Recyclable materials and eco-friendly construction for a greener future.



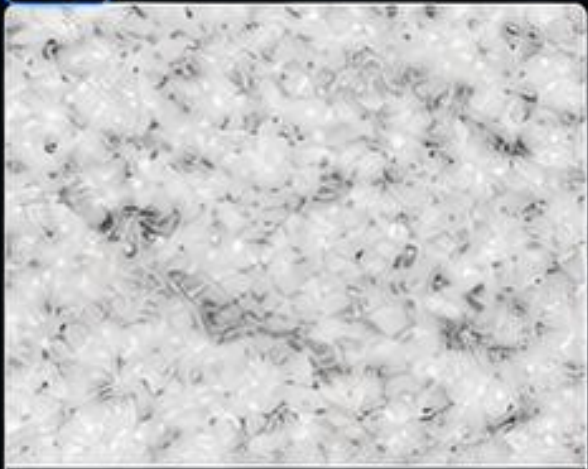
STONE HONEYCOMB PANELS

SHADES AVAILABLE

A Curated Selection of Premium Natural Stone Finishes



CLASSIC MARBLE COLLECTION



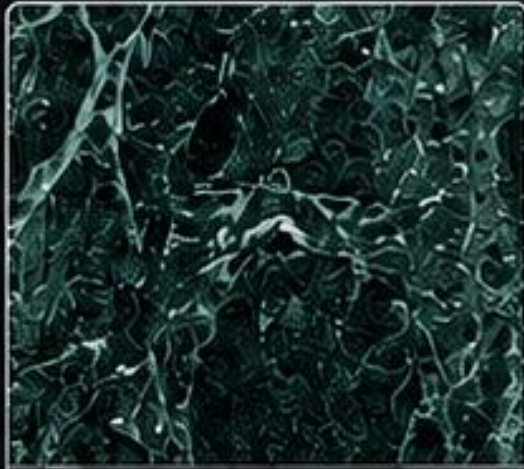
Bethel White



Diamond Flower



Verde San Francisco 1



Alpi Verde Marble



Calacatta Gold



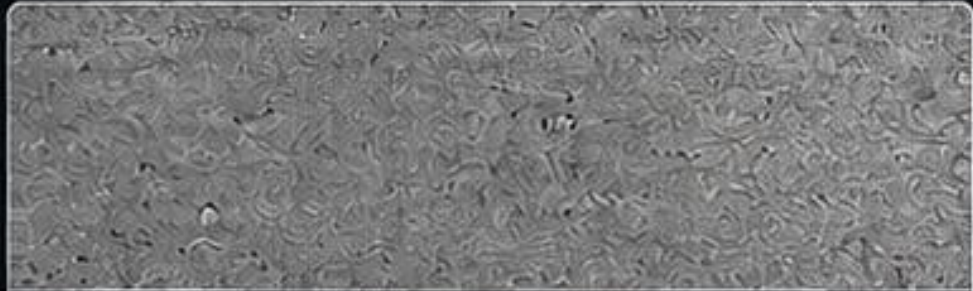
Egyptian Beige 1



NATURAL LIMESTONE COLLECTION



Limestone Beige



Limestone Grey



Limestone Ivory



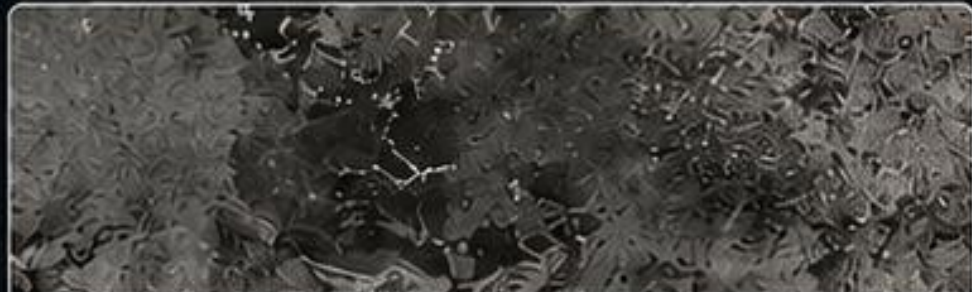
PREMIUM TRAVERTINE COLLECTION



Travertine Beige



Travertine Brown



Travertine Grey

NATURAL BEAUTY.
TIMELESS ELEGANCE.



100% Natural Stone Surfaces



Unique Patterns & Textures



Premium Quality Selection



Fade & Stain Resistant



Sustainable & Eco-Friendly



Ideal for All Cladding Applications



NATURAL
BEAUTY



DURABLE &
LONG LASTING



WEATHER
RESISTANT



WIDE RANGE OF
SHADES



EASY TO INSTALL
& MAINTAIN



SUSTAINABLE
SOLUTION



PREMIUM
QUALITY

TECHNICAL DATA:

VIVA STONE HONEYCOMB PANELS



Engineered Materials. Tested Performance.

FACE MATERIAL (MARBLE, STONE, GRANITE)		
	Parameter	Specification
	Material	Natural Stone
	Stone Options	Marble, Granite, Limestone, Travertine, Sandstone, Quartzite, Slate, etc.
	Stone Thickness	3mm, 5mm, 6mm, 8mm, 10mm, etc. (Project Dependent)
	Surface Finish	Polished, Honed,

TOP ALUMINIUM SKIN		
	Material	Aluminium Sheet
	Alloy	AA3003
	Thickness	0.7 - 1.0 mm
	Function	Supports the natural stone, distributes loads uniformly, and enhances panel rigidity.

STRUCTURAL ADHESIVE		
	Type	High-Performance Structural Adhesive
	Function	Permanently bonds the stone, aluminium skins, and honeycomb panel into a single composite panel.

ENGINEERED TO PERFORM

Premium Material Selection

High Structural Performance

Lightweight & Durable

Weather & Corrosion Resistant

Consistent Quality & Reliability

ALUMINIUM HONEYCOMB CORE		
	Material	Aluminium Honeycomb Core
	Alloy	AA3003
	Cell Configuration	Hexagonal
	Cell Size	10 mm
	Foil Thickness	50 microns
	Function	Provides exceptional strength, stiffness, and lightweight performance.

BOTTOM ALUMINIUM SKIN		
	Material	Aluminium Sheet
	Alloy	AA3003 / AA5005
	Thickness	0.7 - 1.0 mm
	Surface Finish	Mill Finish / Protective Coating
	Function	Reinforces the panel and provides dimensional stability.

LIGHTWEIGHT
Reduces dead load on structure

HIGH STRENGTH
Superior load bearing and impact resistance

WEATHER RESISTANT
Resistant to moisture, UV & harsh weather

FIRE RESISTANT
Non-combustible core for enhanced safety

LOW MAINTENANCE
Easy to clean & long-lasting

SUSTAINABLE
Eco-friendly & 100% recyclable

PREMIUM FINISH
Real stone elegance with consistent quality

TECHNICAL DATA:

VIVA STONE HONEYCOMB PANELS



EDGE FILLING		
	Edge Filling Material	High-Strength Epoxy Putty
	Function	Seals exposed honeycomb cells, reinforces panel edges, and provides a solid base for machining and mechanical fixing.
	Edge Profile	Straight, Rebated, Mitred, or Customized
	Edge Finish	Precision CNC Machined
	Machining	Suitable for grooving, rebating, drilling, and custom edge detailing as per project requirements

FINISHED PANEL		
	Standard Panel Thickness	18 mm (Other Thicknesses Available on Request)
	Panel Width	Up to 1500 mm
	Panel Length	Up to 3000 mm (or project-specific)
	Edge Profile	Straight, Rebated, Mitred, or Customized
	Weight	Depends on stone type and panel configuration

INSTALLATION		
	Installation System	Concealed Interlocking Clip System
	Fixing Method	Mechanical Interlocking Aluminium Clips
	Installation Type	Dry Cladding System
	Joint Width	As per project design requirements

MECHANICAL PROPERTIES OF HONEYCOMB PANELS				
	PROPERTY	VALUE	TEST STANDARD	
	Vertical Shear Strength	0.45 MPa	ASTM C393	
	Transverse Shear Strength	0.26 MPa	ASTM C393	
	Flat Compression Strength	0.67 MPa	ASTM C365	
	Peel Strength	≥4 N/mm²	ASTM D1876	
	Flexural Rigidity	≥35000 kN·cm²/m	DIN 53293	
	Section Modulus	≥8 cm³/m	DIN 53293	
	Thermal Conductivity	1.63 W/mK	ASTM C518	
	Thermal Resistance	0.0075	ASTM C1363	
	Operating Temperature	-50°C to +80°C	Internal	
	Linear Expansion	2.4 mm/m/100°C	ASTM D696	

ENGINEERED TO DELIVER	
	Premium Material Selection
	High Structural Performance
	Lightweight & Durable
	Weather & Corrosion Resistant
	Consistent Quality & Reliability



THANK YOU

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