

# wallspan<sup>®</sup>

The Façade Experts





Wohnuberbaug Rotseepark - Switzerland

## About Us



Wallspan is a subsidiary of Avarna Ventures (Rainco Group) with a history of more than 40 years. Wallspan specializes in building facades and specialist interior & exterior solutions. Our purpose is to create sustainable and best quality living space by delivering building finishes to international standards in South Asia, with commitment to innovation, pioneering technology, best design, and engineering excellence.

Our specialist façade team brings a wealth of experience from Europe to Asia in the field of metallic facades having completed over 300 projects in Sri Lanka, India, Indonesia, Maldives and Bangladesh. Our local and international exposure on small to large projects helps us to understand your requirements better and provide you with the correct and best solutions for your projects.

### Product Portfolio

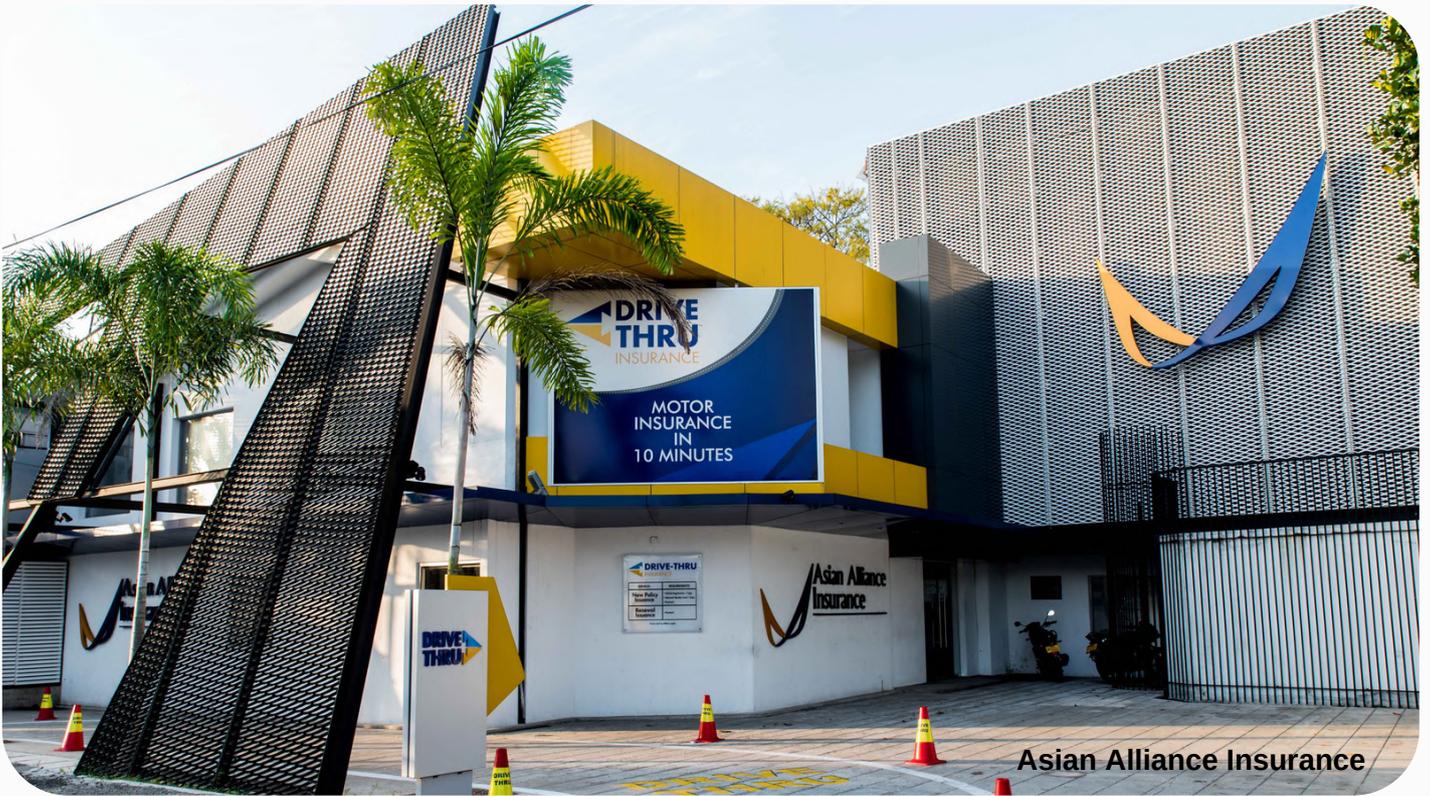
1. EXTEC Expanded Aluminum Mesh from Fils, Italy and SS mesh from GKD, Germany
2. Light Clad - UV protected Polycarbonate panels from Rodeca, Germany
3. Archizinc - Titanium Zinc Rain screen Cladding from VMZINC, France
4. PERF Clad - Perforated Solid Aluminium Cladding
5. Aluminium Composite Panel ACP FR A1, A2 and B class from Alucopanel, UAE
6. Plante® - Landscaping Products (Vertical & Rooftop Garden Solutions) from Elmich, Singapore

### Services Offered

- Façade, specialist interior & exterior consultancy (product, design and engineering)
- Supply and installation
- Estimate and value engineering of design
- Structural analysis, simulation and 3D rendering
- Testing and commissioning



# EXTEC Clad



Wallspan Italian meshes are designed to meet high aesthetic and functional requirements of architectural projects. Flat & curved, coloured and radiant surfaces can be achieved easily, thanks to the two dimensional structure, a 3D effect can be achieved by back lighting the panels. Products are available in powder coated finish in RAL colours. The different angles of eyes on a variety of meshes can provide a beautiful texture and create conceal and reveal architecture. An effective shading reduces air conditioning cost and reduces long term operational cost while providing better comfort.

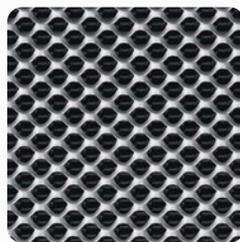
## Over 50 designs



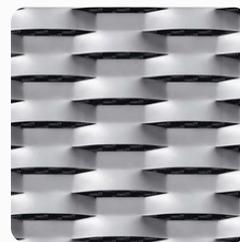
EXTEC ACA115  
26% Open Area



EXTEC COL200  
52.3% Open Area



EXTEC TAU60  
52.3% Open Area



EXTEC OME160  
15% Open Area



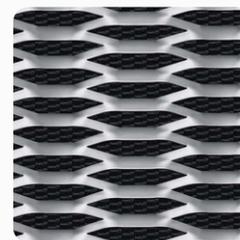
EXTEC GRE100  
52% Open Area



EXTEC ESP100  
23.3% Open Area



EXTEC GRA100  
51.5% Open Area



EXTEC PRI200  
20.5% Open Area



EXTEC LUN400  
27.5% Open Area



EXTEC EF400  
22% Open Area



RAL



70% Green Energy



100% Recyclable

## Key Features

- Special 2D opening providing better sun shading while allowing plenty of natural air circulation.
- Robust and flexible.
- The angle of openings on the mesh has the right balance between the translucency and opaqueness to get better view out while providing necessary privacy.
- Light weight, small or large format panels. (1250mm x3600mm)
- Environment friendly mesh production using 70% green energy.
- Availability of number of patterns.
- Excellent performance in coastal areas.
- Non-combustible Aluminium
- Finishes - Powder coating (other finishes on request)

More designs and information available on request.

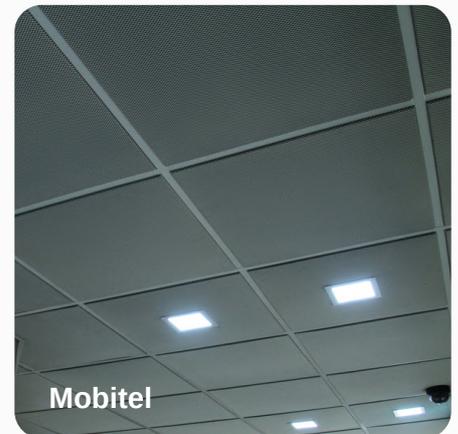


## EXTEC Ceiling

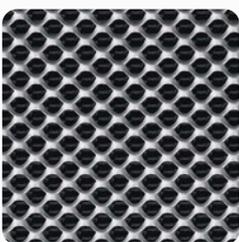
Brand new concept of metallic ceilings with beautiful texture ideal for acoustic or decorative ceiling solutions.

## Key Features

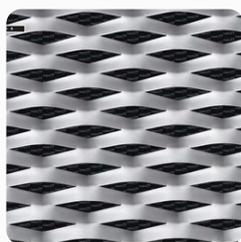
- A ceiling system with a choice of special 2D texture.
- Translucency and opaqueness create a dynamic environment.
- Availability of reflective and non-reflective finishes, patterns and range of colours to create different moods and special settings depending on the requirement of clients.



## Some of the Designs



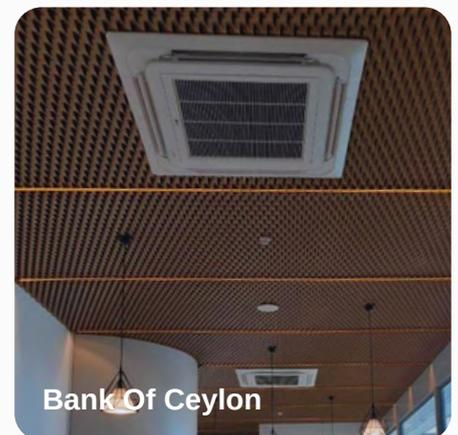
EXTEC TAU60  
52.3% Open Area



EXTEC ACA115  
26% Open Area



EXTEC KD400  
46% Open Area



RAL



70% Green Energy



100% Recyclable



Translucent panels are designed for diverse design options and engineered to fit outdoor applications. Wallspan introduces a range of top quality, German engineered translucent cladding system to create modern energy efficient buildings.

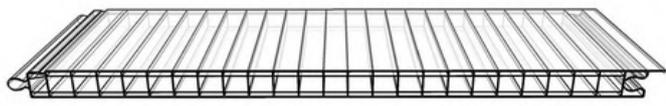
### Key Features

- The individual aesthetic concept is generated by the intentional use of colorful construction elements. Light is diffused and cuts the glare.
- UV protection, air gaps for heat reduction. 3D effect to phosphorescent surfaces.
- Considerably light panels enable to eliminate substantial and expensive structures.
- Depending on the type of construction and specific initial situation, energy consumption can be reduced by up to 80%.

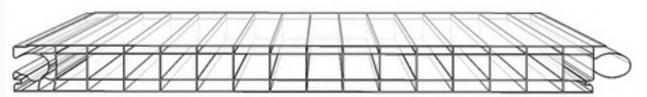


Calvary Church - Colombo 06

## Designs Available



2333-20-4

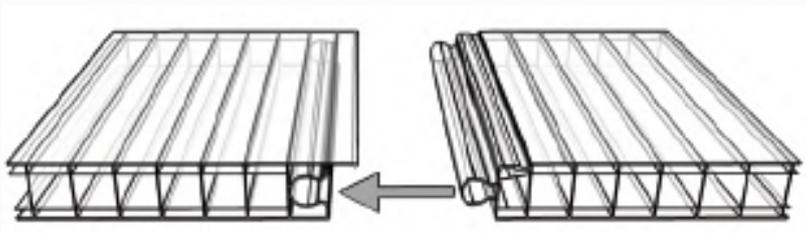


2540-4-MC

Panel	Up-value W/m <sup>2</sup> K	Weight in Kg/m <sup>2</sup>	Thickness mm	Panel Width mm
2540-4 MC	approx. 1.3—1.6 W/m <sup>2</sup> K	approx. 4 Kg/m <sup>2</sup>	40	500 (+/-1%)
2333—20-4	approx. 2.0 W/m <sup>2</sup> K	approx. 2.6 Kg/m <sup>2</sup>	20	333 (+/_ 1%)

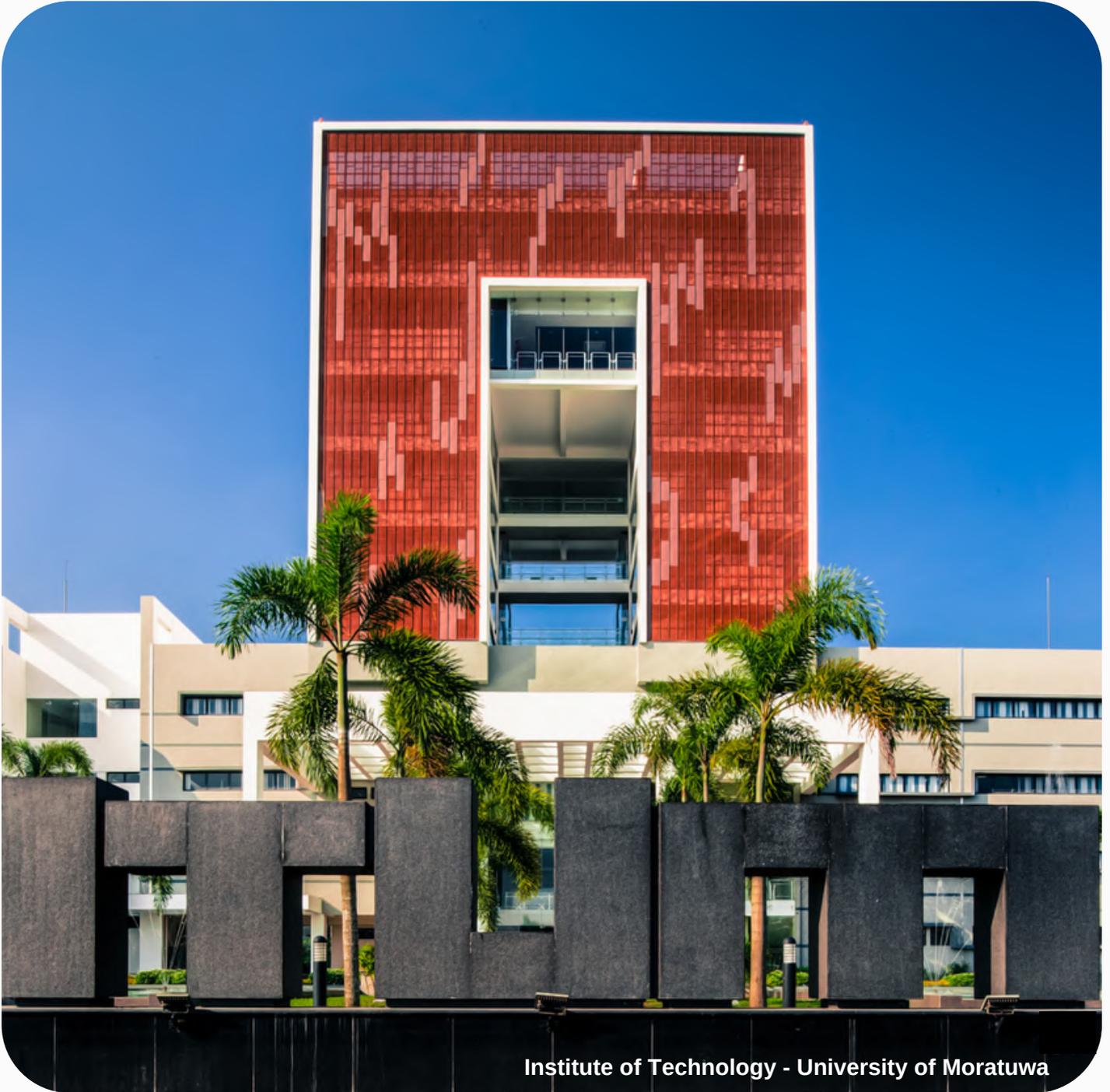


## Tongue and Groove - Fixing Methodology



RAL



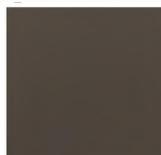


Wallspan archiZINC rain screen cladding system is a perfect solution for building facades. Developed by VMZINC, France, one of the world's largest Titanium Zinc manufacturers offers a range of innovative systems designed and engineered to international standards. A long-lasting, highly flexible material comes in a range of colours in Oxidized finish.

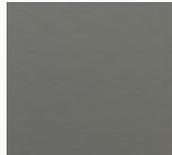
## Available Finishes



Pigmento Blue



Pigmento Brown



Quartz - Zinc



Pigmento Red



Pigmento Green

\*Other colours are available on request

## Interlocking Systems



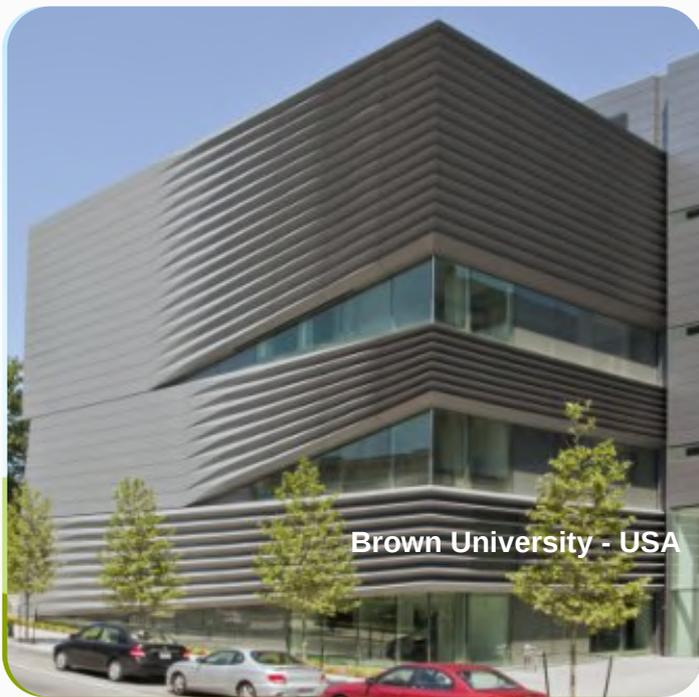
Interlocking Panels



Standing Seam



Overlapping Panel



Brown University - USA

## Key Benefits

- Range of archiZINC products and systems are available for facades, roofs and interior applications.
- Zinc is a natural element of our environment and it takes very little energy to manufacture compared to other metals.

## Key Features

- Long lasting with a design life of 60-80 years and natural primary material 100% recyclable at the end of life span.
- Range of natural colours and systems.
- Single or double curved
- Easy installation
- Low maintenance, no silicon or rubber gaskets
- Outstanding aesthetic and functional benefits



Colombo Jewellery Stores



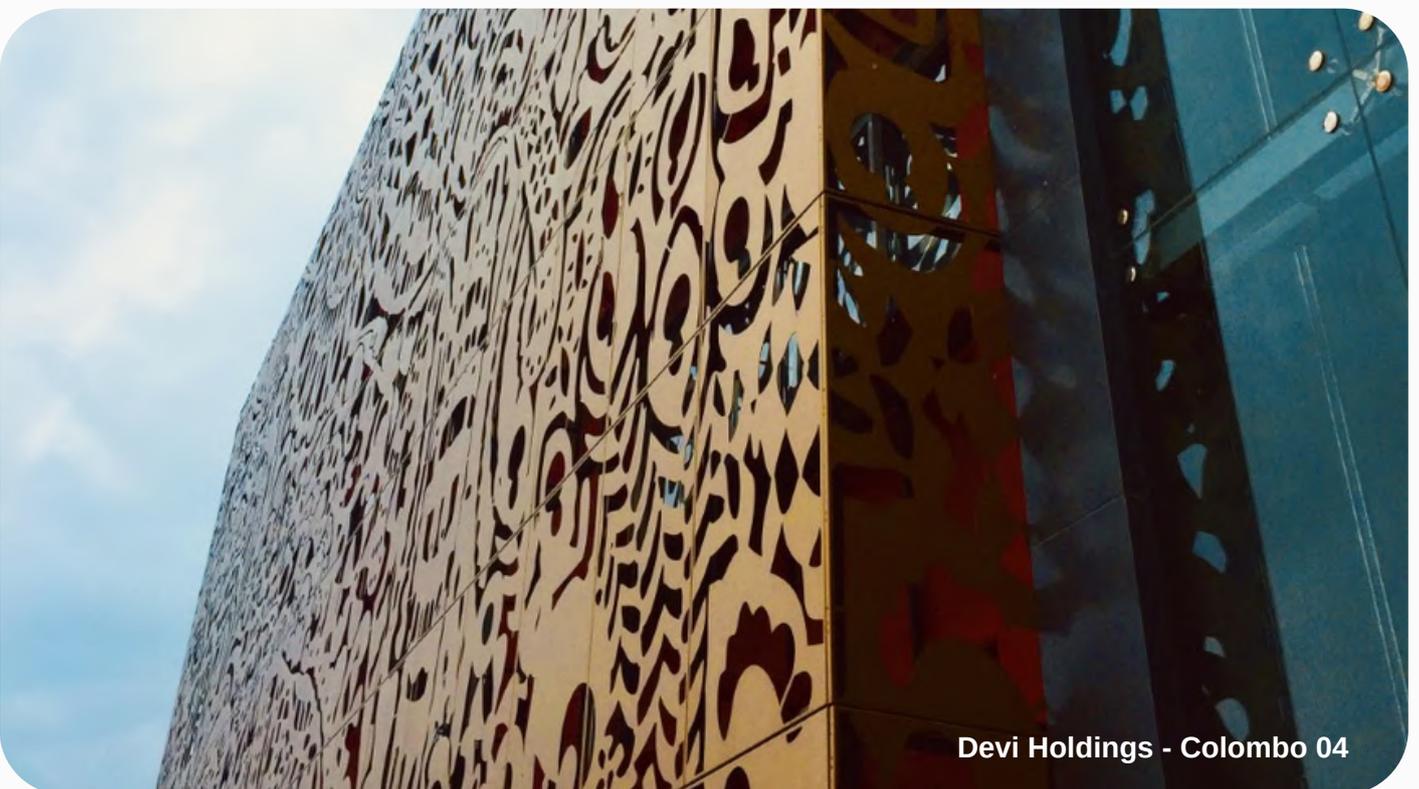
## PERF Clad

Devi Holdings - Colombo 04



Wallspan PERF Clad with solid Aluminium material provides great scope to achieve unique designs on building façades. Our PERF Clad is a safe and sustainable way to achieve perforated designs compared to dangerous Aluminium Composite Panel (ACP) perforations. PERF Clad provides numerous aesthetic and practical advantages through transparency where necessary and effective sun shading reduces air conditioning cost of the buildings.

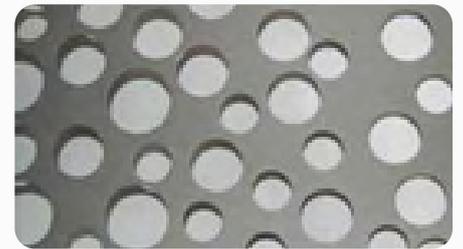
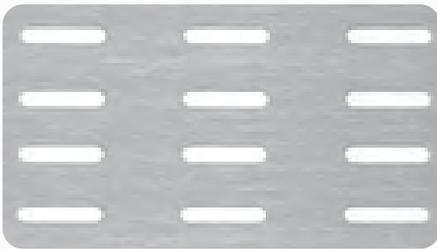
Availability of variety of standard and bespoke patterns offers great freedom for architects and interior designers. Choice of PVDF coating or powder coating in RAL colours offers unlimited scope for building owners and developers.



Devi Holdings - Colombo 04



## Custom Designs



## Technical Details

### ALUMINIUM SINGLE SKIN PERF CLAD

- Panel thickness - 1.5mm, 2mm, 3mm and more
- Available in Powder Coated / PVDF finishes in RAL Colours
- Standard size 1000mm x 3000mm

### ZINC PERF

- Available in 0.8mm thickness
- Pre weathered proprietary finishes

## Applications

- Decorative façade
- Sun shading with perforated façade
- Interior Screens
- Balustrade



LOGOS - Indonesia

# Plante Vertical Garden

Plante- vertical garden system from Wallspan are designed and engineered in Australia with micro irrigation offers architects and developers a cost-effective solution to turn monotonous walls into aesthetically-pleasing living green walls with the flexibility of choosing from an array of plants and mounting options to suit new or existing wall conditions.

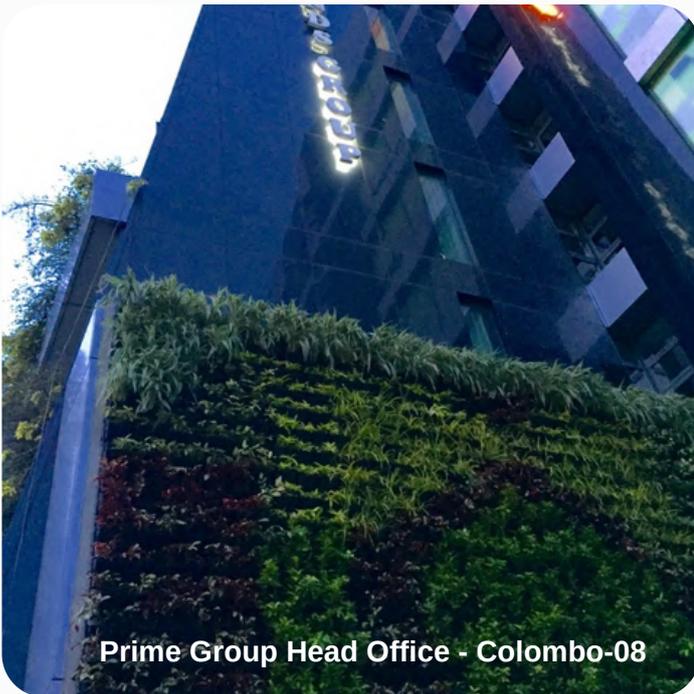
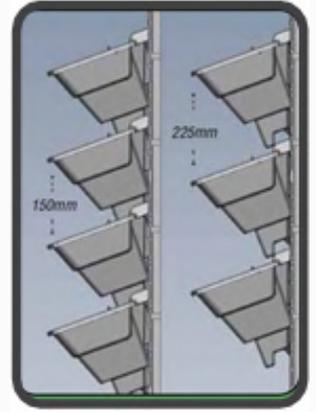


Our green wall pots are manufactured from UV-stabilized recycled polypropylene that meets requirements for international “Green Building” certification and our Elmich system is tested to tropical revolving storms (TRS) wind conditions.



## Key Features

- Planting Media - Allows a wide choice of planting media for green wall plants.
- Safety - Anti-lift arms prevent inadvertent dislodgement of trays.
- Drainage - Excess water flows into bottom tray or is discharged through drainage pipe at the bottom.
- Baffle Plate - Distributes irrigation across the tray and prevents media spillage.
- Planting Density - Allows different vertical and horizontal spacing for varied planting options.
- Water re-use - Capillary wick draws stored water and fertilizer from reservoir.
- Irrigation - Irrigation pipes are concealed neatly at the rear between trays.



Prime Group Head Office - Colombo-08



Garment Factory Office - Bangladesh

## Rooftop Garden

Plante® rooftop drain cells are polypropylene water retention and drainage tray designed to both store and facilitate the efficient discharge of excess subsoil water. Plante® drain cells are used in the construction of green roofs, road slope stabilizer, median strips, golf courses and playing fields to conserve water used for irrigation and preventing ground salts migrating into the growing media.



Plante® drain cells allows water and soluble nutrients stored in the cells to be returned via evaporation and capillary action, to the planting media during dry periods reducing irrigation frequency whilst large holes in the channels allow excess water to be efficiently drained away preventing water-logging and promoting healthy plant growth in wet periods.



# Aluminium Composite Panels

Wallspan® supply a range of top quality Aluminium Composite Panels (ACP). Our ALUCOPANEL ACP material is fully tested and certified to international standards. Our FR material class B, A2 and A1 is tested and passed as per BS EN13501-1 and further full scale test have been carried out as per NFPA285 and BS8414 for on A2 class ACP, complete details of our products are shown on technical data sheets.

Our panels provide high strength and flexibility required for any complex designs. Our product is manufactured in UAE, the city which has witnessed the tallest sky scrapers pushing the engineering boundaries in the last decade. Our ACP panels are manufactured as a composite consisting of two sheets of coil coated aluminium bonded to either a polyethylene (PE) or a mineral filled Fire Retardant (FR) extruded core.



## Non-Combustible Class A1 ACP

Safety and sustainability are two main factors of today's leaders who seek to grow their businesses. Technology has advanced to achieve great heights in building facades. Wallspan has now introduced Non-combustible ACP material with highest fire protection requirement of class A1 classified under EN 13501-1. Our ALUCOPANEL® A1 is non-combustible and a sustainable alternative to façade materials made of metal or other cladding. Our product has passed ASTM D1929 standard which determines the Self and Flash ignition temperature of the product and gives you peace of mind, as tested and passed a full scale test according to NFPA285 standard.



Duty Free Mall, Port City



The Grand, Colombo 07



**ALUCOPANEL®**

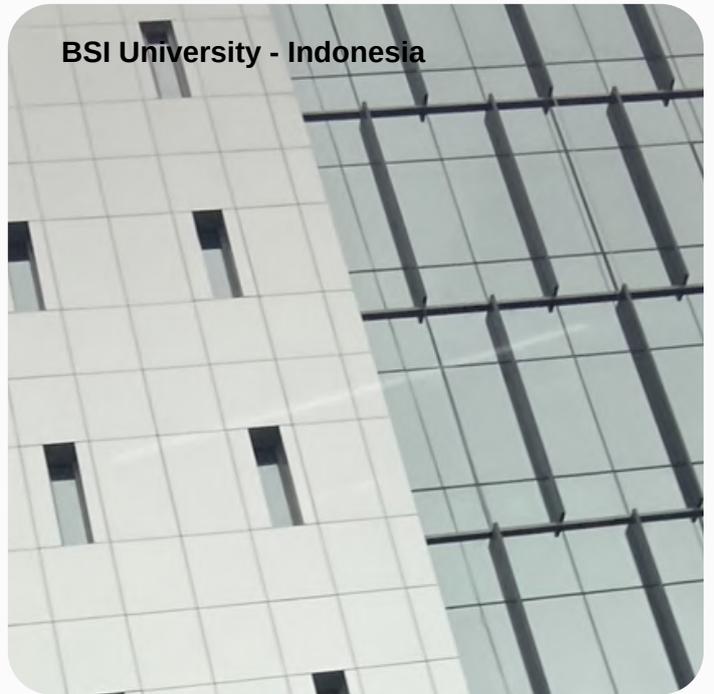
Prime Group Head Office - Colombo 08



BSI University - Indonesia



BSI University - Indonesia



Glitz - Mount Lavinia



BOI - Katunayake





GROUP - AVARNA VENTURES

**Rainco**



**TECH GUARD**  
Your Safety Our Commitment



**atmosphere**  
CONCEPT BY REMKO

world of  
**outdoor**



**wallspan**

**HOMELUX™**  
Function meets Luxury

**GIFT WORKS**  
Concept by Remko



**FILLER MAX**

**harvestech**

**MILLERHOLZ®**  
Passion for Premium Floors

**Quikpak**

**wallspan®**  
The Facade Experts

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