

HYDRAULIC DOORS



TITAN
DOOR SYSTEMS
TRANSFORMING SPACES

HY1000 SINGLE LEAF & HY3000 DUAL LEAF



**Is It Time to
Transform Your
Space?**

Choose Excellence. Choose Titan.

Delivering
exceptional
craftsmanship
with every
project.

Prioritizing your
needs in every
solution.

Embracing
creativity and
cutting-edge
technology.

Building trust
with honesty and
reliability.

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Delivering Strength, Style, and Innovation in Every Door.



Why Chose Titan Door Systems?

At Titan Door Systems, we don't just manufacture doors—we engineer custom solutions that redefine excellence. Proudly Australian-owned and founded on decades of industry experience, we combine precision craftsmanship, innovative design, and superior materials to deliver high-performance doors that elevate any space. Whether it's a sleek architectural feature or a robust industrial installation, every Titan door is built for durability, functionality, and style. Our commitment to transparency, client-first values, and tailored engineering has earned us the trust of developers, architects, and builders nationwide. When you choose Titan, you're choosing a partner dedicated to quality, integrity, and innovation—every step of the way.



Proudly Australian Made

Why Choose Australian Made Doors?

Built to Last

Our doors are proudly manufactured here in Australia, using high quality materials and built to meet strict Australian standards ensuring long lasting performance, durability, and safety.

Support Australian Expertise

Every Titan door supports skilled Australian jobs from design and manufacturing to customer service and installation. Whether you're local or international, choosing Titan means investing in proven Australian craftsmanship.

Tested for Safety & Strength

Our Australian made doors are engineered to meet strict national building codes and safety standards. This ensures peace of mind, knowing your door is built to perform reliably in demanding environments from cyclonic regions and extreme desert heat to harsh coastal conditions where salt resistance is essential.

Choose Titan Door Systems
Australian made, built to perform.

GEELONG ARTS CENTRE,
Victoria, Australia



Overview

Hydraulic systems are engineered for high performance, delivering an ideal combination of strength, versatility, and reliability. Designed to lift loads beyond the limits of manual operation, these systems allow doors to fully project either inward or outward, creating a completely clear opening and an unobstructed view perfect for enhancing indoor and outdoor living.

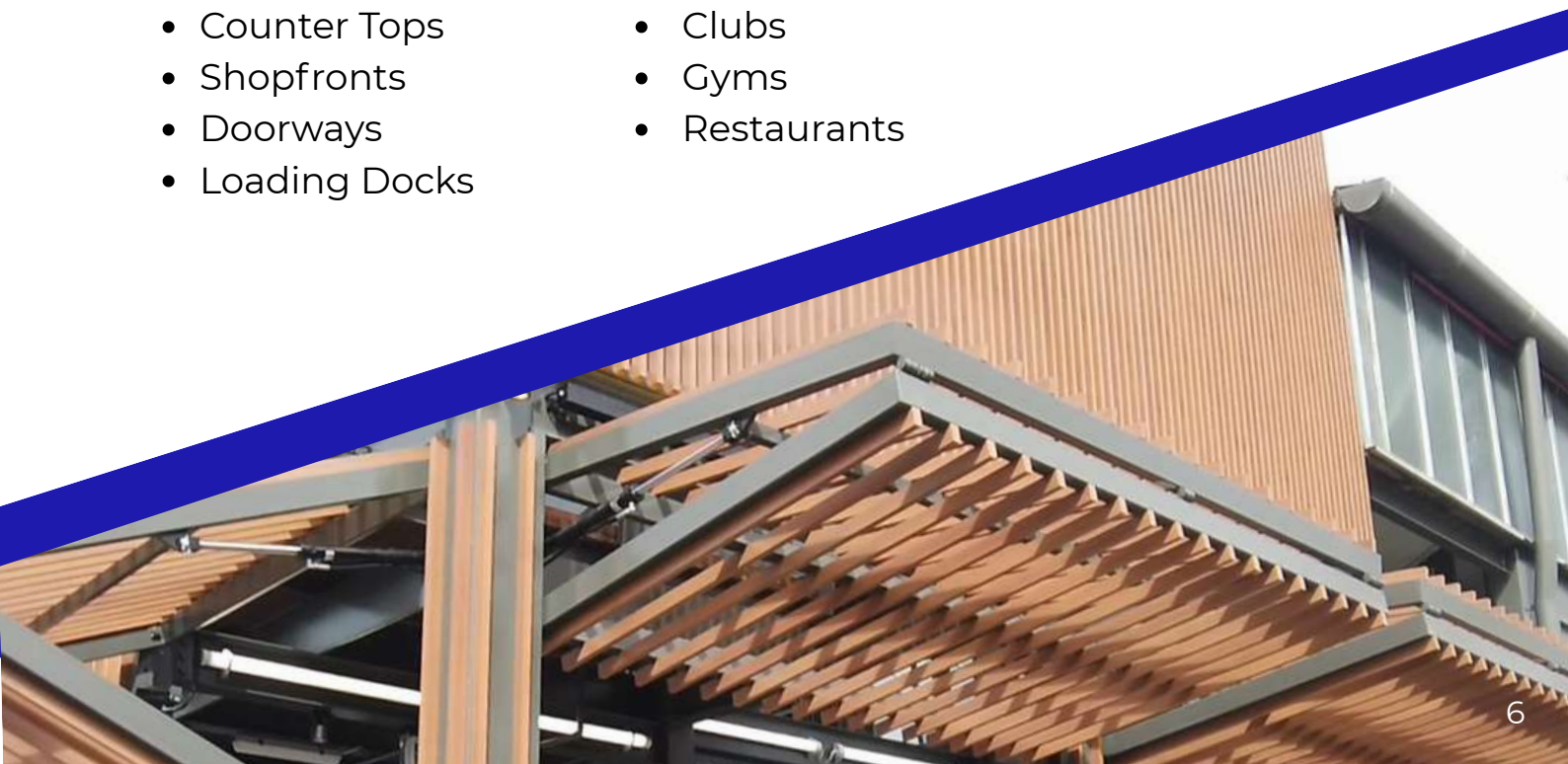
Elegantly designed for smooth, effortless operation, the system ensures easy access and user friendly functionality while blending seamlessly with its architectural surroundings.

When extended outward, the door pivots into a horizontal overhead position, forming a practical awning. This not only opens up the façade but also invites the outdoors in, transforming any space into a dynamic and connected environment.

Applications

Suitable for many commercial applications including:

- Shopping Centres
- Bar Tops
- Counter Tops
- Shopfronts
- Doorways
- Loading Docks
- Sports Complexes
- Arcades
- Clubs
- Gyms
- Restaurants



Design

- The door frame is securely anchored within a robust, custom engineered steel RHS structure, alternatively for the smaller applications aluminium can be used tailored to meet the specific load bearing and dimensional requirements of each installation.
- A dependable hydraulic system incorporates automatic locking mechanisms for enhanced safety and peace of mind. Power is supplied by either a 240V or 415V, selected based on the door's size and structural demands. A hydraulic power pack drives the system, offering the flexibility to operate multiple doors when paired with the appropriate pump capacity.
- The central valve power pack ensures controlled, gravity resistant motion, guiding the door downward in a smooth and steady descent rather than allowing it to drop freely. In the event of a power failure, a manual hand pump is provided as a backup system, allowing the door to be safely operated without electricity. This hand pump maintains hydraulic pressure manually, enabling secure and controlled door movement even under emergency conditions.
- Precision engineered steel brackets are designed to meet the unique structural and functional requirements of each door, ensuring long lasting strength, durability, and performance
- Stainless steel hardware and fittings are provided with all our custom range giving peace of mind that corrosion is the thing of the past

Product Operation

The door panel is actuated by hydraulic cylinders mounted on each side. Cylinder stroke length and bore are custom engineered to handle the specific load requirements, incorporating a safety factor of 2.

Locking System

The door is automatically locked via the integrated hydraulic system, ensuring secure and reliable closure without manual intervention.

Size

Every door is custom-designed and built to suit your project's unique specifications. No standard sizes just tailored solutions. Contact us to discuss how we can meet your exact needs, regardless of scale or complexity.

Finish

The standard construction features a durable steel frame, available in either:

- Powder-coated finish
- Polyurethane paint finish

This door is available in aluminum for smaller applications and steel for larger applications.

For colour options, please refer to the Dulux Duralloy range:

<https://duluxpowders.com.au/products/duralloy/>

How It Works

Hydraulic power drives the operation of the door, with custom cylinder specifications ensuring safe, controlled movement. The system is engineered for reliability, strength, and user friendly performance.

TRANSFORMING YOUR VISION INTO REALITY



TITAN
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TRANSFORMING SPACES

Our Optional Extras

Fire Input Parameter (FIP)

The Fire Input Parameter for garage doors is a control signal from a fire alarm system, smoke detector, or building automation system that triggers the door to respond during a fire event. It may cause the door to close automatically, open for evacuation, or release motor power so the door drops by gravity. This input must be properly configured to meet fire codes and ensure safe operation in emergencies.

Logic upgrade

A logic upgrade is available to enhance the performance of your garage door system by improving its control software. This upgrade adds new features, such as advanced safety sensors, Wi-Fi connectivity, remote access, and more efficient control algorithms for smoother operation. It also enables easier integration with other technologies and improves system diagnostics for better troubleshooting. The logic upgrade enhances the overall functionality of your garage door without the need for hardware changes, ensuring optimal performance and greater convenience.

Add More. Get More

Safety Features Add ons

Engineered for safety—elevated with premium protection.

Our doors are engineered for safety, and with the addition of our premium protection upgrade, you can elevate that security even further. This add-on enhances an already reliable system, offering an extra layer of defense for total peace of mind. When it comes to protection, don't settle for good—experience the next level of safety.

Light Curtain Protector System

The safety light curtain is a safety device that forms a virtual barrier around the danger zone, creating an inductive barrier that protects the machine access point and surroundings to protect people and machines from damage.



**Built Strong.
Backed by Safety**

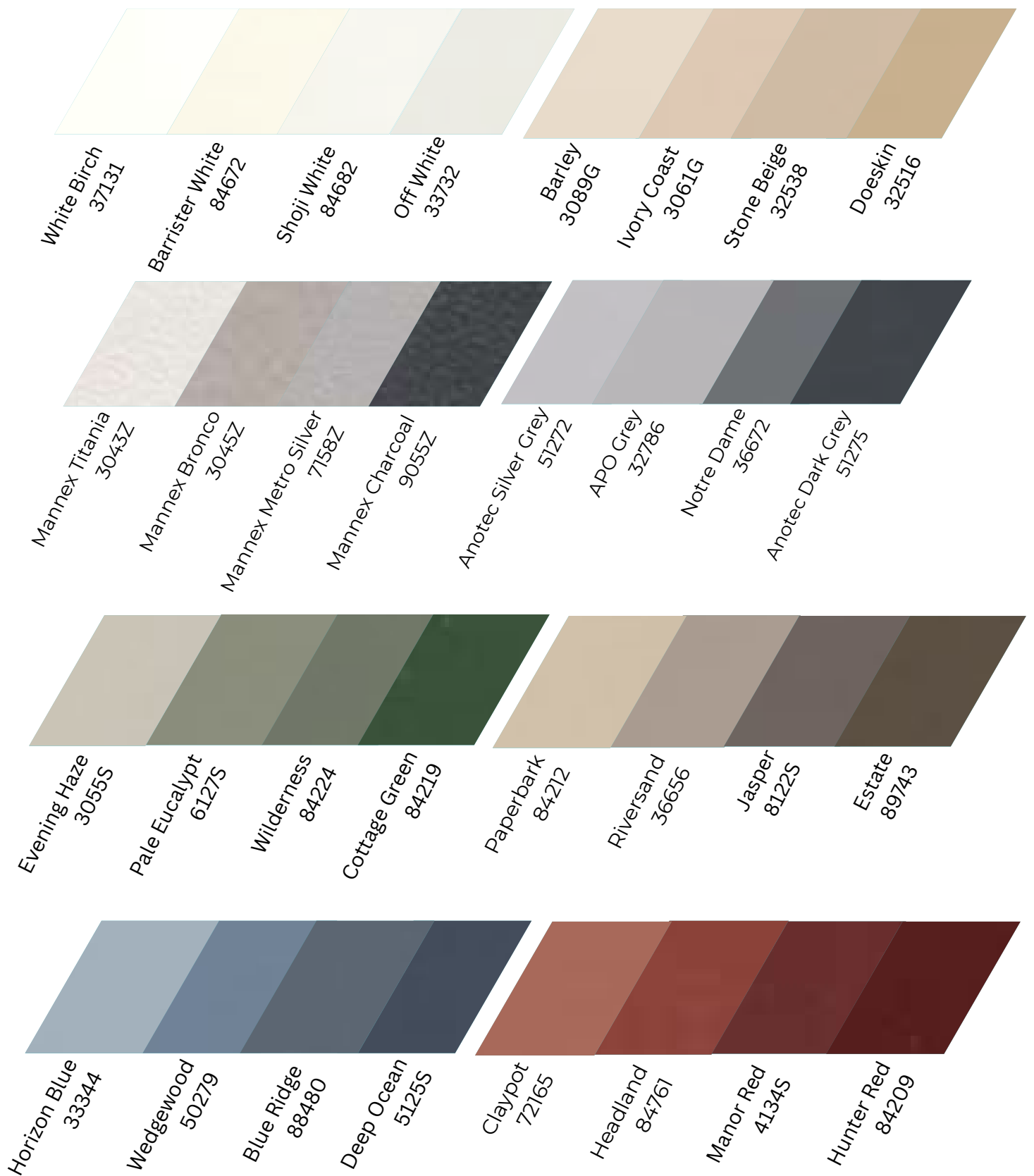
Duralloy Powder Coating Range

Long-lasting Dulux® colours trusted by professionals for style and strength.

At Titan Door Systems, we proudly offer a premium selection of powder coating finishes from the Dulux® Duralloy® range an advanced collection designed specifically for residential and light commercial projects. Duralloy® powder coatings incorporate the latest in coating technology, offering excellent durability, colour retention, and resistance to weathering. This versatile range features a carefully curated palette, blending long-standing favourites with cutting-edge international colour trends, all arranged to make harmonious colour selection simple and effective. The Dulux® name and Duralloy® colour range are used under licence and remain the property of DuluxGroup (Australia) Pty Ltd. All colours shown are for illustrative purposes only and may differ from actual finishes.

The Dulux logo is displayed in white, italicized, sans-serif font on a dark blue rectangular background. A thin red horizontal line is positioned directly beneath the blue rectangle.

Dulux®



Bringing Spaces to Life with Color

Aluminium Timber Cladding

We partner with Covet to offer Ever Art Wood® aluminium cladding a high quality, fire rated solution that brings the natural beauty of timber to our door systems without the maintenance. Designed and manufactured in Japan, this lightweight yet durable material replicates real woodgrain using advanced photographic technology, making it ideal for both interior and exterior applications. While this cladding is available as a premium finish option, it may not be suitable for all door types. Please contact our team to discuss compatibility and custom solutions for your project.

**THINK DIFFERENT
THINK TITAN**

Premium Timber-Look Cladding for Door Systems

Covet's Ever Art Wood® aluminium cladding delivers the sophisticated appearance of real timber with the strength and durability of metal making it an ideal finish for modern door systems. Manufactured in Japan, these panels offer a photorealistic timber look that's both elegant and practical, without the maintenance issues of real wood.

Durable, Lightweight & Fire-Rated

Made from high grade aluminium, Ever Art Wood® is lightweight, corrosion-resistant, and suitable for both interior and exterior doors. It meets strict fire compliance standards (Group 1 fire rating), making it a safe and robust choice for residential and commercial applications alike.

Seamless Integration with Modern Door Designs

With a wide range of woodgrain finishes and profile options, this cladding integrates effortlessly with our door systems to enhance architectural aesthetics. Whether you're after a contemporary or classic look, Covet's surface textures and colours offer unmatched design flexibility.

Please Note:

While we use Covet as a trusted supplier, this cladding may not be suitable for all door types or applications. Please contact our team to confirm compatibility and explore tailored solutions for your project.



**Timber
Aesthetics with
Modern
Performance**

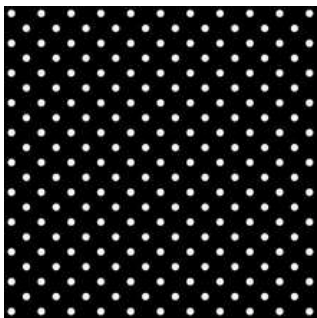
Perforated Metal

Perforated patterns and their unique capabilities.

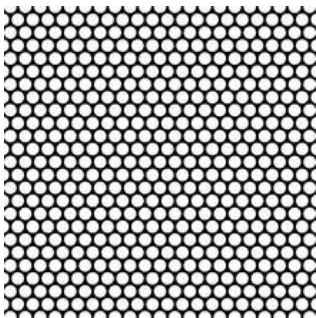
Titan Door Systems offers the option to incorporate high-quality perforated metal panels into your door design ideal for projects seeking modern aesthetics, airflow, or light filtration. Available in a range of patterns and materials including aluminium and steel, perforated metal can add a bold architectural element to both residential and commercial applications. Selected Dulux® colour finishes are also available to complement your overall design. Whether for visual impact or functional performance, perforated panels are a stylish and versatile solution available across our product range.

arrowmetal

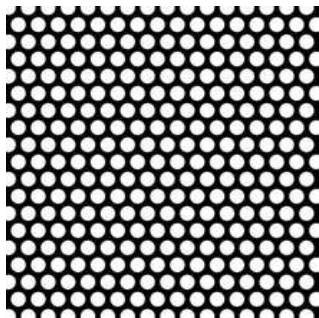
Uniformed Options



Pattern 214

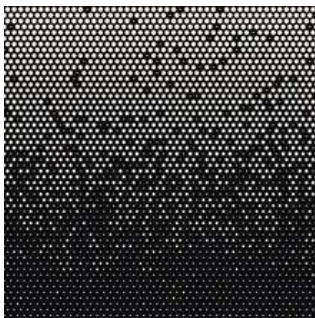


Pattern 223

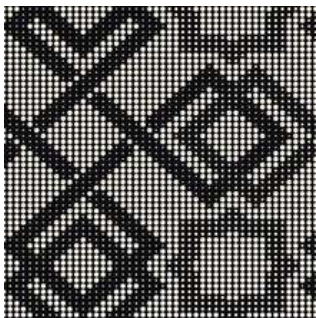


Pattern - 225

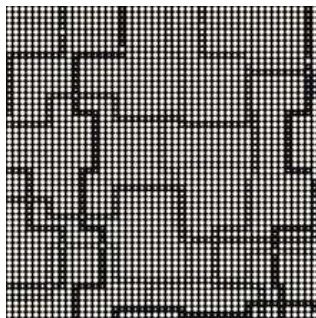
Custom design Options



Custom Pattern - Ombre

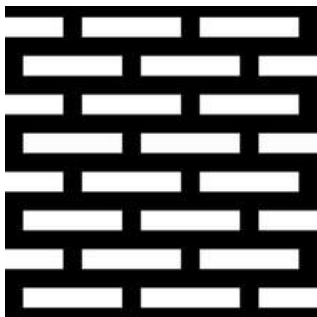


Custom Pattern - Oriental

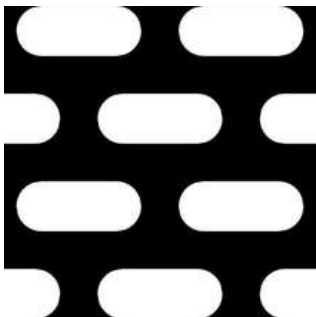


Custom Pattern - Ramble

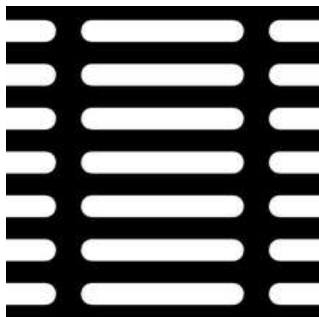
Elongation Options



Pattern 391



Pattern 384

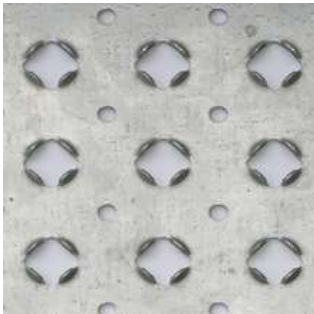


Pattern 379

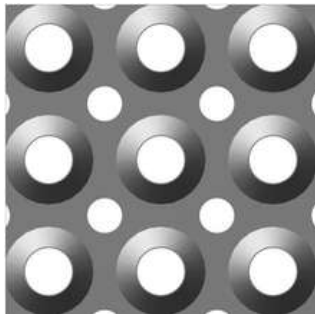
Indentation Options



Pattern 520

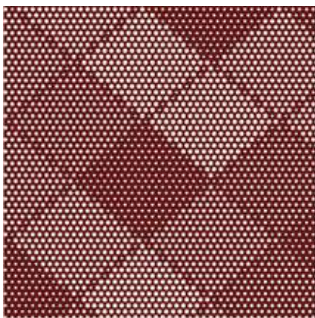


Pattern 524

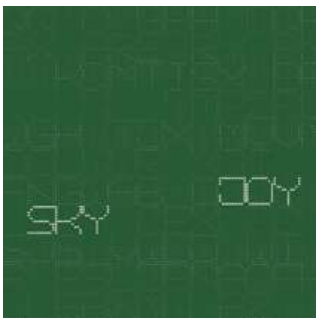


Pattern 545

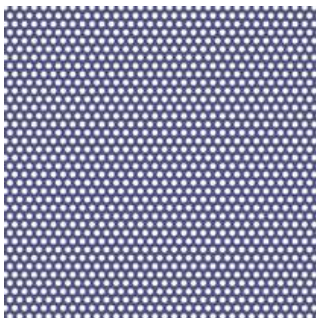
A visual representation of how the perforated metal may appear with color:



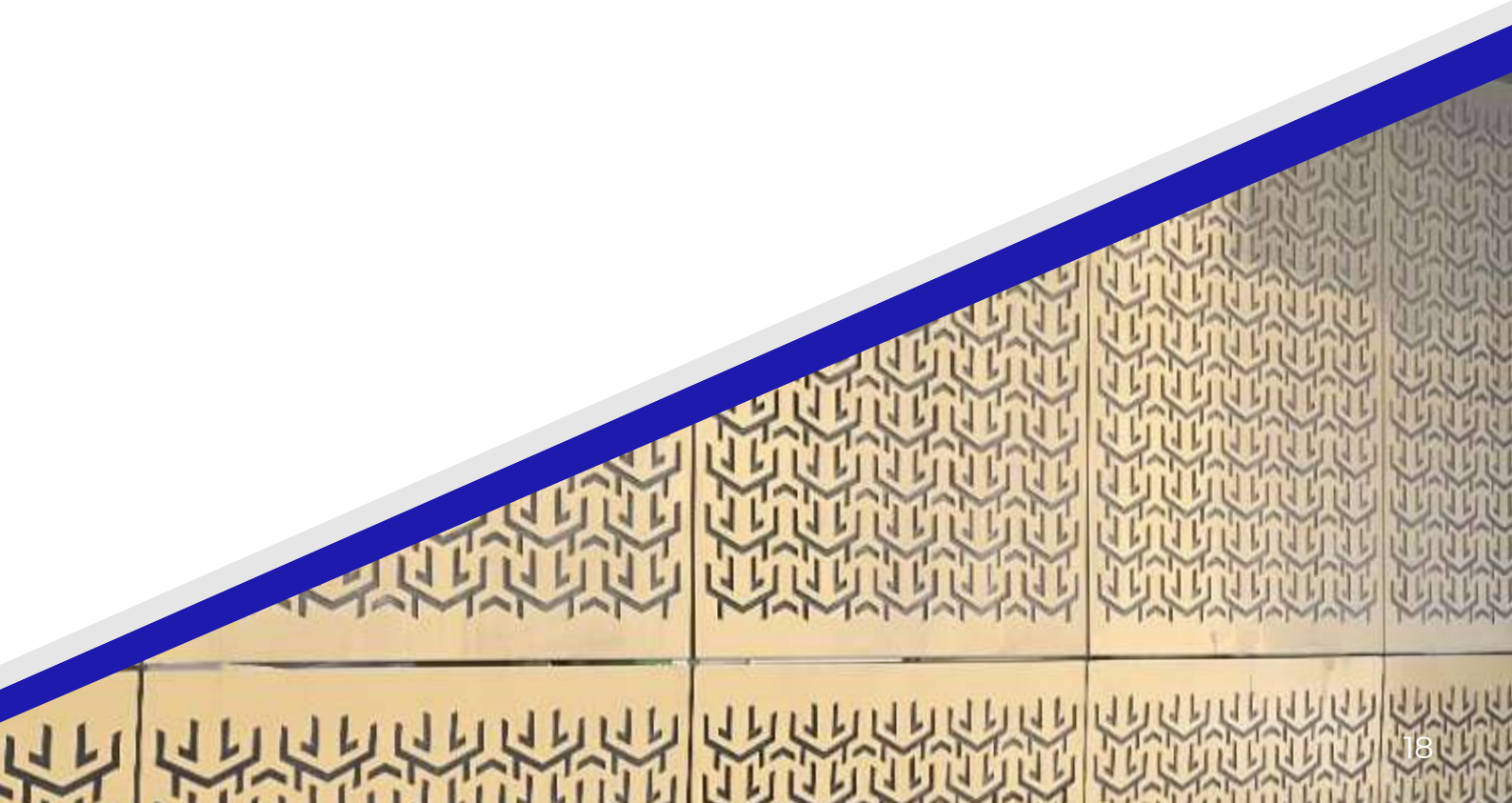
Custom Pattern – Tiles
Colour- Hunter Red
84209



Custom Pattern – Prose
Colour-Cottage Green
84219



Pattern 208
Colour-Blue Ridge
88480



A photograph of a modern house with large glass windows and a patio. In the foreground, there is a light-colored outdoor sofa with several pillows. The patio is made of large, light-colored tiles. The house has a dark frame and large glass panels that reflect the surrounding greenery. The text "WHY GLAZING MATTERS FOR YOUR DOORS?" is overlaid in large, white, bold letters. Below the title, there is a paragraph of text in a smaller, white font. The bottom right corner of the image is a solid blue triangle.

WHY GLAZING MATTERS FOR YOUR DOORS?

Choosing the right glass isn't just about looks it's about how you feel in your space. Our curated glazing options enhance privacy, maximize natural light, and add character to every room. Whether you're looking for sleek modern designs or classic elegance, we have a solution for every door and every style.

GLAZING OPTIONS

DISCOVER THE PERFECT GLASS FOR YOUR SPACE

OUR GLASS, POWERED BY VIRIDIAN

We proudly use Viridian Glass as our trusted glass provider, ensuring every door we supply features industry-leading quality, safety, and performance. As Australia's largest glass manufacturer, Viridian is renowned for innovation in energy efficiency, acoustic control, and design flexibility. By partnering with Viridian, we deliver glazing solutions that not only look stunning but also meet the highest standards for comfort, durability, and sustainability.



BE INSPIRED BY WHAT YOU SEE

ComfortPlus™ – Performance Laminated Glass

Ideal For: Residential and commercial applications requiring energy efficiency and UV protection.

Features:

- Low Emissivity (Low-E) Coating: Reduces heat loss in winter and minimizes solar heat gain in summer.
- Privacy Options: Available in translucent finishes for enhanced privacy.
- Safety: Grade A safety glass with laminated construction.

Benefits:

- Improved thermal insulation and glare reduction.
 - Protection against UV fading of interiors.
- Enhanced comfort year-round.

DécorPattern™ – Textured Glass

Ideal For: Decorative applications requiring privacy, light diffusion, and a unique design element.

Features:

- Variety of Patterns: Available in a wide range of embossed textures and designs to suit both traditional and contemporary interiors.
- Light Diffusion: Softens incoming light while reducing visibility for increased privacy.
- Safety Options: Can be toughened or laminated for safety compliance.

Benefits:

- Adds texture and character to doors and partitions.
- Balances natural light and privacy without sacrificing aesthetics.
- Ideal for feature doors, bathrooms, and creative architectural applications.

VTough™ – Toughened Laminated Glass

Ideal For: Areas requiring high impact resistance and safety

Features:

- Enhanced Strength: Five times stronger than ordinary glass.
- Safety: Grade A safety glass that shatters into small, blunt-edged pieces upon breakage.
- Thermal Resistance: Suitable for areas subject to thermal stress.

Benefits:

- Increased safety in high-traffic areas.
- Durability in challenging environments.
- Versatility in various applications.

ComfortHush™ – Insulated Glazed Unit

Ideal For: Spaces where noise reduction and thermal insulation are priorities.

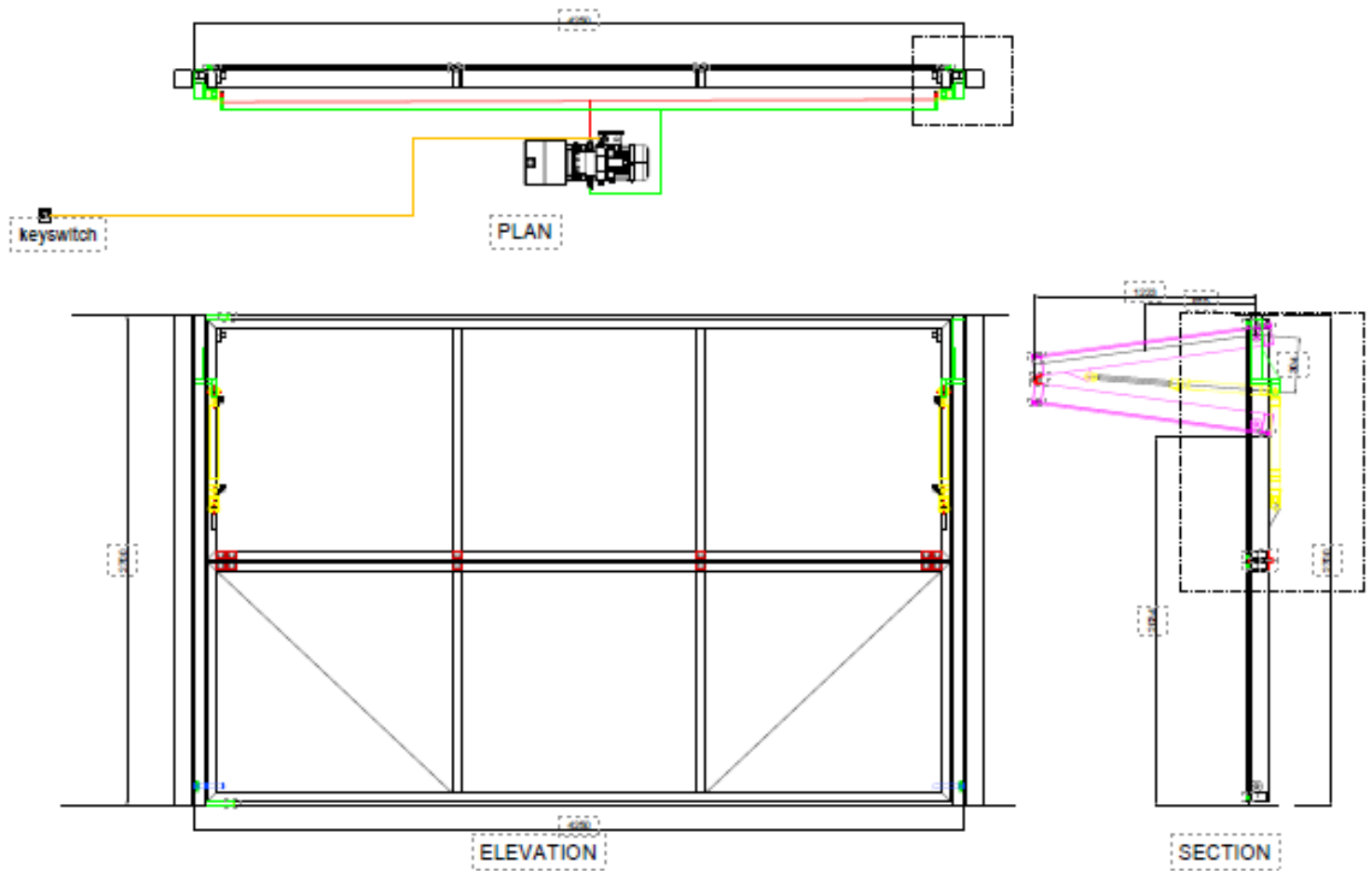
Features:

- Acoustic Performance: Designed to reduce unwanted noise transmission.
- Thermal Insulation: Enhances energy efficiency by minimizing heat loss.
- Customizable: Available in various configurations to suit specific needs.

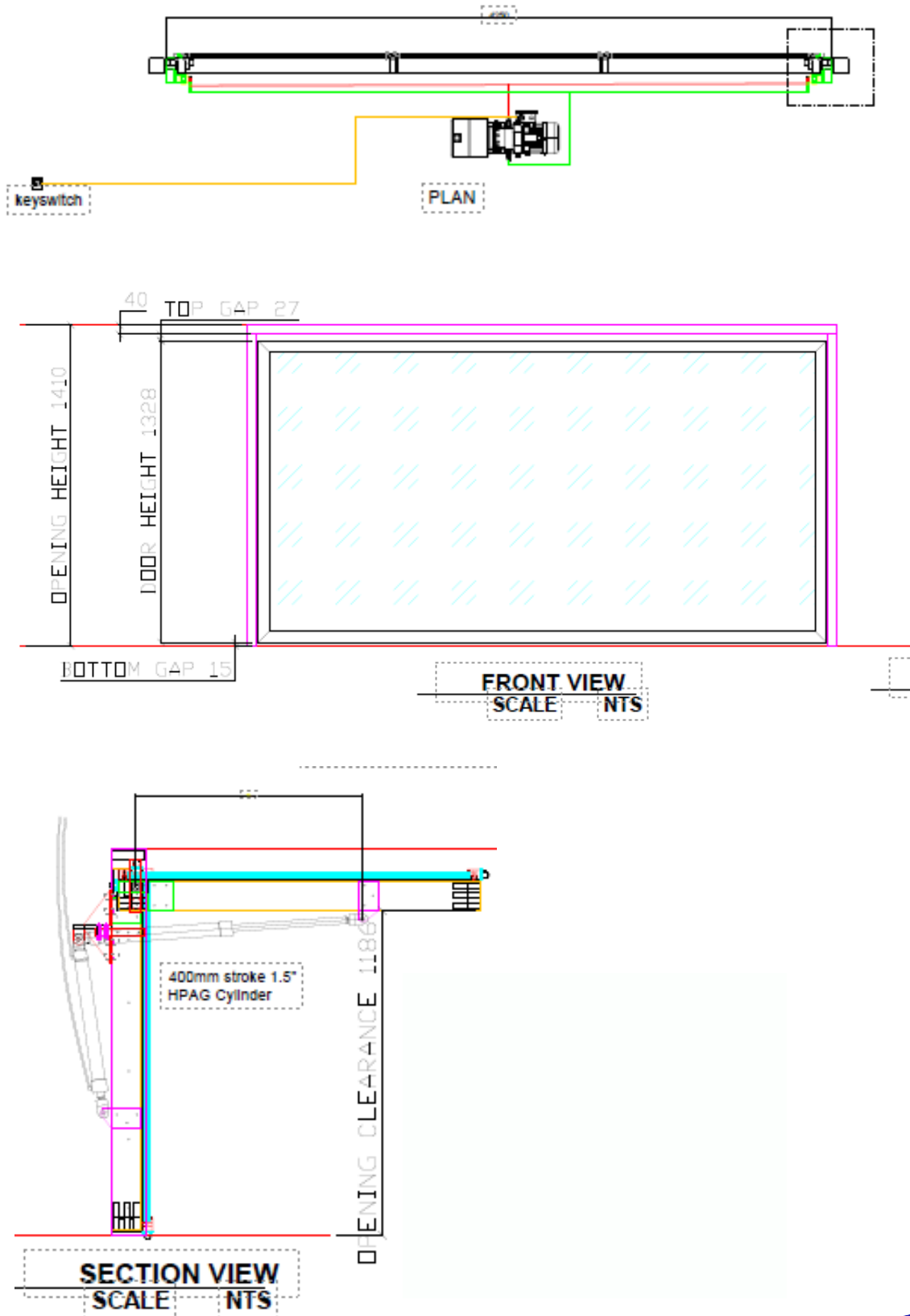
Benefits:

- Improved indoor comfort through noise and temperature control.
- Energy savings and reduced heating/cooling costs.
- Ideal for residential and commercial settings.

Typical Layout HY3000



Typical layout HY1000



The next steps

1. Consultation and Quoting

It all begins with a conversation. We listen closely, offer expert advice, and provide clear, tailored quoting to ensure your goals are understood and aligned from the outset.

2. Design and Engineering

Our design and engineering teams bring creative insight and technical precision to each project, delivering solutions that are as structurally sound as they are visually refined.

3. The Manufacturing Stage

Our fabrication process reflects a commitment to excellence, with every component crafted using trusted materials and exacting standards.

4. Installation and Tutorial

Our skilled installers ensure every system is fitted with care, followed by a detailed handover to empower your team with full understanding and ease of use.

5. Ongoing Support and Maintenance

Our commitment doesn't end at installation. We provide continued support and maintenance to ensure optimal performance, long-term reliability, and lasting peace of mind.

Frequently Asked Questions

1. What are the standard sizes?

These doors are custom designed to suit your specific opening and operational needs. Standard sizes vary depending on the application.

2. What side room and head room does it need?

None. These doors operate within the opening itself and do not require additional side or headroom, as they do not overlap the opening.

3. How much noise does it generate?

Great question. The door operates very quietly. For environments requiring minimal noise, we offer the option to install the hydraulic pump in a remote location (such as a "supertanker" position) to make the operation nearly silent.

4. What is the Duty Cycle, how many operations per hour?

There are no set restrictions on the duty cycle. We custom-design the pump and system to meet your specific operational frequency and performance requirements.

5. How much internal projection does this door create?

None. This is a flush-mounted product with full external projection, meaning it does not intrude into the interior space at all.



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**Ready to Transform
Your Space?
Contact Us Today
for a Free
Consultation**

Contact Us today



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– By appointment only