Alüm Catalogue

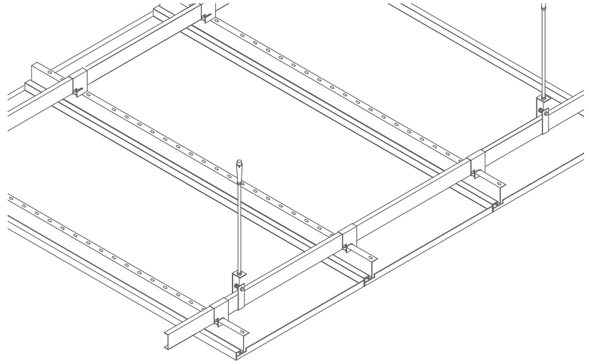
Alüm™ panels are sleek, lightweight solutions that add a modern touch to any space

Alüm
Hook-On

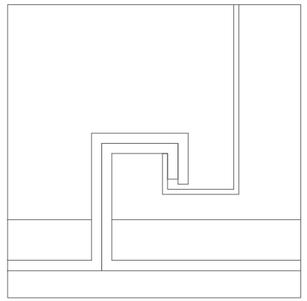
The Alüm™ Hook-On ceiling system provides a completely sealed ceiling design that can be customized to precisely match desired measurements. The panels are firmly fastened to a Z-shaped carrier, ensuring a snug fit that discreetly hides the suspension elements within the ceiling structure. Additionally, a vast selection of perforation patterns and designs are offered, enabling the creation of various practical and visually captivating effects tailored to specific needs.

Specifications

1. Structure: Hook-On Panel, Z Carrier Hanger, 50mmH Z Carrier, 38mmH Main Channel, Safety Clip
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Dimension: 600*600mm, 600*1200mm
5. Panel Thickness: 1.0 - 3.0mm
6. Perforation Patterns: Multiple Patterns Available
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

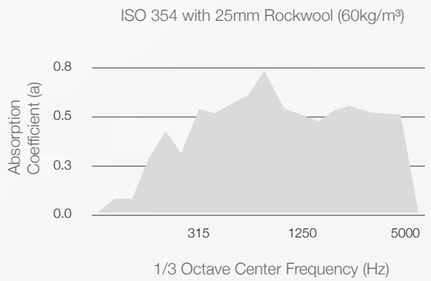


Section View

The Alüm™ Hook-On ceiling system offers a fully enclosed ceiling design that can be tailored to fit specific dimensions. The panels are securely attached to a Z-shaped carrier, ensuring a tight fit that conceals the suspension components within the ceiling. Furthermore, a wide range of perforation patterns and designs are available, allowing for the creation of diverse practical and visual effects to suit different requirements. The Alüm™ Hook-On ceiling system provides a seamless and aesthetically pleasing solution that combines functionality, versatility, and style for a truly exceptional ceiling design.

Acoustics Performance

With an NRC of 0.75, the perforated design of Alüm™ ceiling panels contributes to effective soundproofing in any space. Allowing sound waves to pass through the small holes, these waves are absorbed by the underlying sound-absorbing material, resulting in a quieter and more acoustically balanced environment.



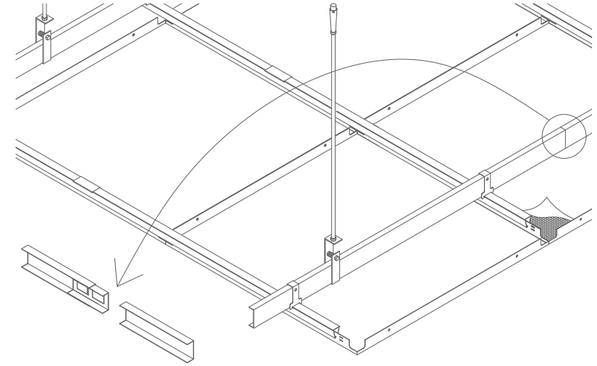
E4-4-2 Perforation

Alüm
Clip-In

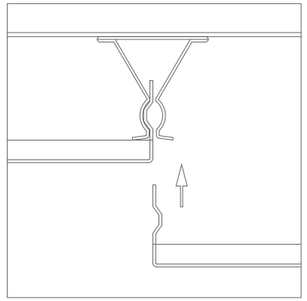
The Alüm™ Clip-In Ceiling System showcases a concealed suspension system that guarantees a stable structure and a seamless, uninterrupted surface. With easy panel dismounting, the system simplifies routine maintenance and installation processes. Furthermore, it offers an extensive range of perforation patterns and designs, enabling the creation of visually breathtaking effects. This system provides a direct and efficient solution for achieving captivating and mesmerizing ceilings

Specifications

1. Structure: Clip-In Panel, 25mmH Triangle Carrier, 38mmH Main Carrier, Connector of 38mmH Main
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Dimension: 300*300mm, 500*500mm, 300*600mm, 300*1200mm, 600*1200mm
5. Perforation Patterns: Multiple Patterns Available
6. Antibacterial Certification: JIS Z 28001 = Pass
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

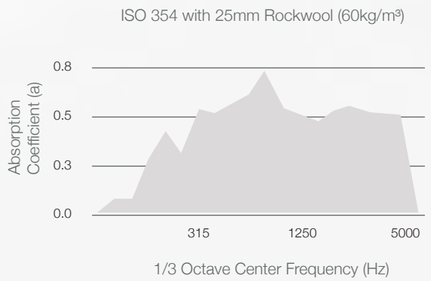


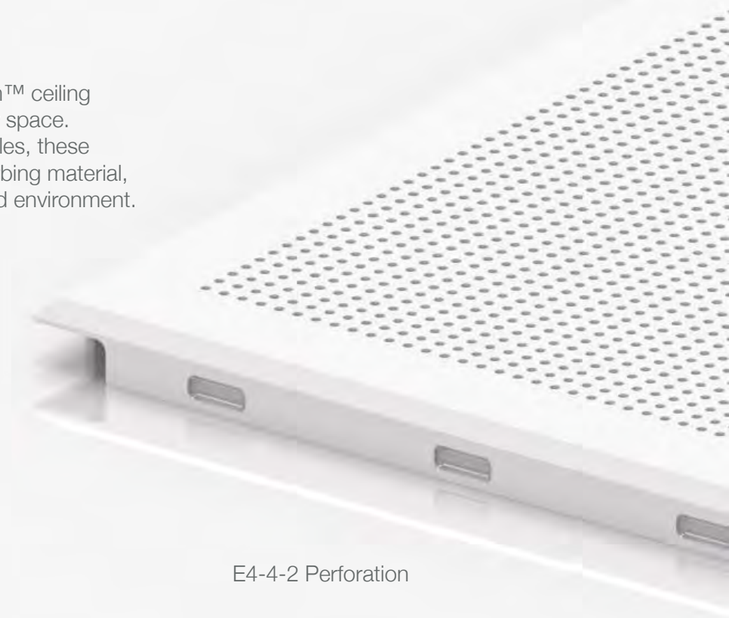
Section View

The Alüm™ Clip-In Ceiling System features a hidden suspension system that ensures a stable structure and a sleek, uninterrupted surface. With effortless panel dismounting, routine maintenance and installation become hassle-free. Additionally, the system offers a wide selection of perforation patterns and designs, allowing for the creation of visually stunning effects. It provides a straightforward and efficient solution for achieving captivating ceilings. The Alüm™ Clip-In Ceiling System is the ideal choice for creating stunning and hassle-free ceiling solutions.

Acoustics Performance

With an NRC of 0.75, the perforated design of Alüm™ ceiling panels contributes to effective soundproofing in any space. Allowing sound waves to pass through the small holes, these waves are absorbed by the underlying sound-absorbing material, resulting in a quieter and more acoustically balanced environment.





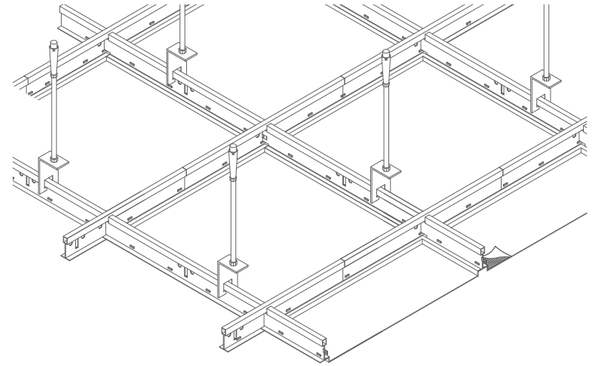
E4-4-2 Perforation

Alüm
Lay-In

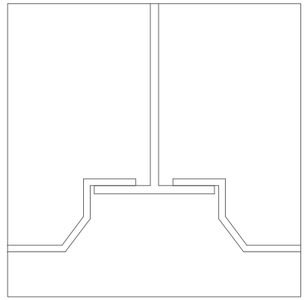
The Alüm™ Lay-In ceiling system implements an exposed suspension system specifically crafted in a T-grid pattern. The panels seamlessly slot into the T-grid carriers, streamlining the process of installation and removal. Architects can explore a vast selection of perforation patterns, granting them the creative freedom to achieve a wide array of visually stunning effects, resulting in captivating and enchanting ceilings.

Specifications

1. Structure: Lay-In Panel, Hanger of T-grids, 32mmH Main Tee, 32mmH Cross Tee
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Dimension: 575*575mm, 585*585mm, 585*1185mm
5. Perforation Patterns: Multiple Patterns Available
6. Antibacterial Certification: JIS Z 28001 = Pass
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

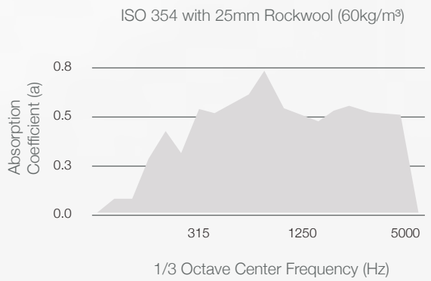


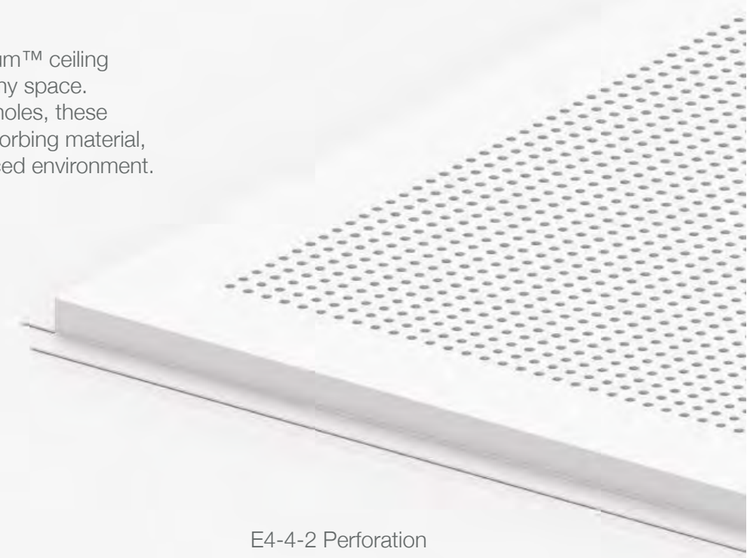
Section View

The Alüm™ Lay-In ceiling system utilizes an exposed suspension system designed in a T-grid pattern. The panels effortlessly fit into the T-grid carriers, simplifying the installation and removal process. With a wide range of available perforation patterns, architects have the opportunity to achieve diverse visual effects and create truly captivating ceilings. These versatile panels serve as a valuable tool for architects, enabling them to unleash their creativity and transform spaces with striking ceiling designs. The Alüm™ Lay-In ceiling system offers endless possibilities for architects to elevate any environment.

Acoustics Performance

With an NRC of 0.75, the perforated design of Alüm™ ceiling panels contributes to effective soundproofing in any space. Allowing sound waves to pass through the small holes, these waves are absorbed by the underlying sound-absorbing material, resulting in a quieter and more acoustically balanced environment.





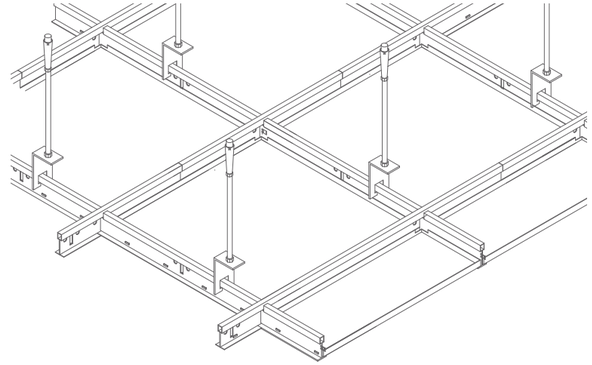
E4-4-2 Perforation

Alüm
Lay-On

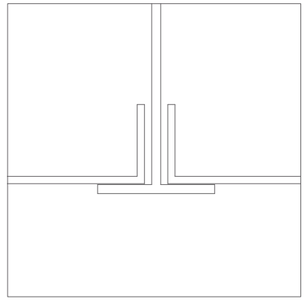
The Alüm™ Lay-On ceiling system integrates an exposed suspension system meticulously designed in a precise T-grid pattern. This innovative system allows the ceiling panels to elegantly rest on the back of the T-grid carriers, facilitating seamless installation and dismounting of each panel. With a wide array of available perforation patterns and designs, the system offers architects and designers a wealth of possibilities to explore and unleash their creativity.

Specifications

1. Structure: Lay-On Panel, Hanger of T-grids, 32mmH Main Tee, 32mmH Cross Tee
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Dimension: 295*295mm, 595*595mm
5. T-grid Carrier Widths: 14mm, 24mm
6. Perforation Patterns: Multiple Patterns Available
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

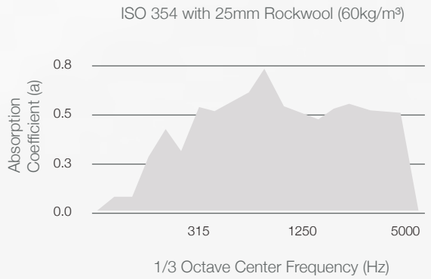


Section View

The Alüm™ Lay-On ceiling system incorporates an exposed suspension system designed in a precise T-grid pattern. With this innovative system, the ceiling panels gracefully rest on the back of the T-grid carriers, ensuring effortless installation and dismounting for each individual panel. Offering a diverse range of perforation patterns and designs, the system provides architects and designers with a multitude of options to achieve not only practical functionality but also visually stunning effects in their ceiling designs. By combining simplicity and elegance, the Alüm™ Lay-On ceiling system presents a genius ceiling solution.

Acoustics Performance

With an NRC of 0.75, the perforated design of Alüm™ ceiling panels contributes to effective soundproofing in any space. Allowing sound waves to pass through the small holes, these waves are absorbed by the underlying sound-absorbing material, resulting in a quieter and more acoustically balanced environment.



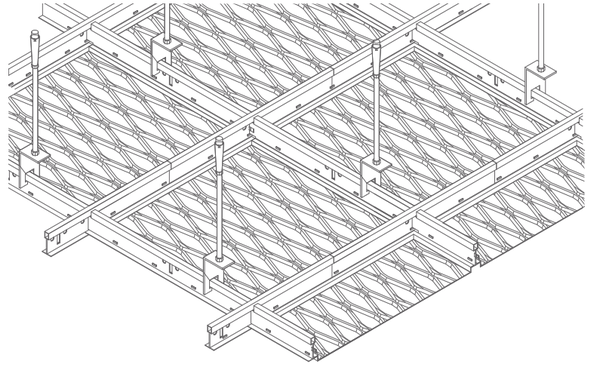
E4-4-2 Perforation

Alüm Mesh

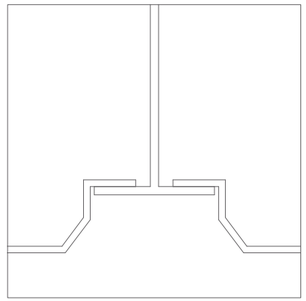
The Alüm™ Mesh ceiling panels effortlessly fit into the T-grid carriers, simplifying the installation and removal process. These mesh panels are laid on visible T-shaped main and cross runners and are available in square and rectangle variations. Aluminium mesh ceilings are crafted using interwoven aluminium wires or perforated aluminium panels, offering a distinctive and visually appealing design element to any space.

Specifications

1. Structure: Mesh Panel, Main Keel
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint
4. Standard Dimension: 600*600mm, 600*1200mm
5. Standard Thickness: 1.0 - 3.0mm
6. Mesh Pattern: Multiple Patterns Available
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

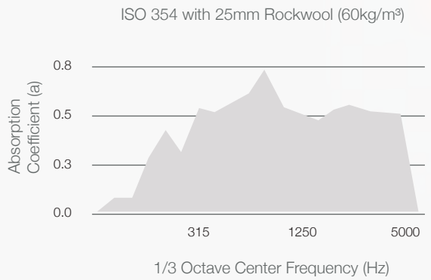


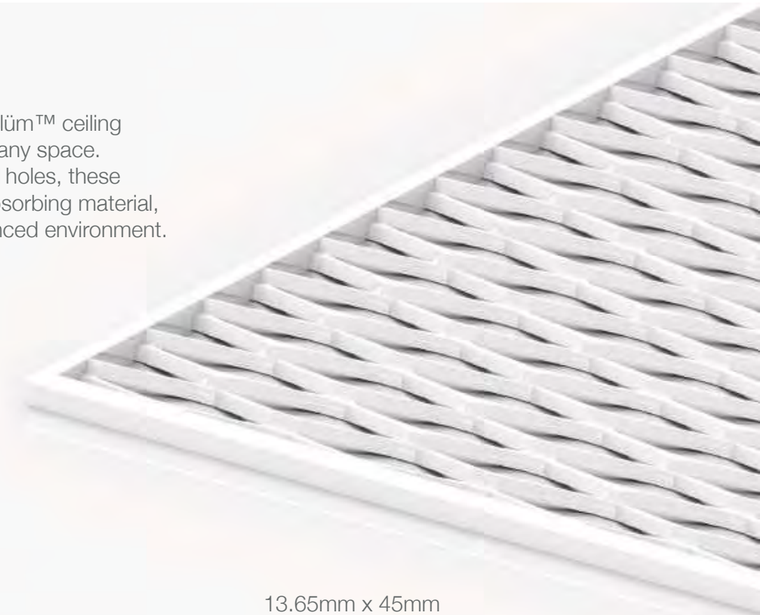
Section View

Alüm™ Mesh ceiling system is using an exposed suspension system on a T-grid pattern. The ceiling panels lay into the T-grid carriers, which make each panel easy to install and unmount. The mesh panels are laid on a visible T-shape main and cross runners, and has square and rectangle variations. Aluminium mesh ceilings are created using interwoven aluminium wires or perforated aluminium panels. This design allows for excellent airflow and light transmission while maintaining structural integrity. The use of Alüm™ Mesh ceilings adds a touch of sophistication and enhances the aesthetic appeal of any environment.

Acoustics Performance

With an NRC of 0.75, the perforated design of Alüm™ ceiling panels contributes to effective soundproofing in any space. Allowing sound waves to pass through the small holes, these waves are absorbed by the underlying sound-absorbing material, resulting in a quieter and more acoustically balanced environment.





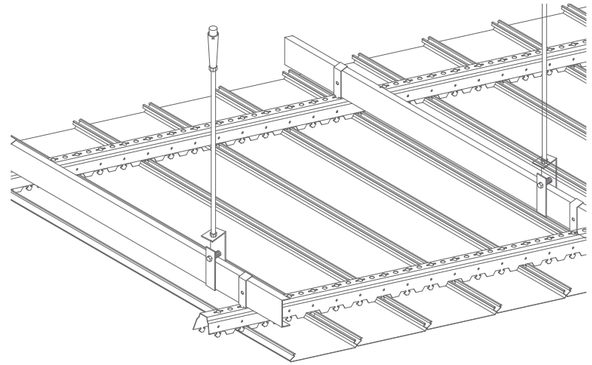
13.65mm x 45mm
Mesh Opening

Alüm
C Linear

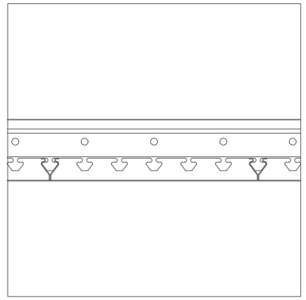
The utilization of the Alüm™ C Linear ceiling system presents numerous benefits, such as a stylish and contemporary design, flexible configurations, effortless installation and maintenance, and customizable features. These ceilings exhibit a modern aesthetic with their clean lines and offer the possibility of installation in diverse patterns. These advantages collectively position the Alüm™ C Linear ceiling system as an excellent choice for a wide array of applications, be it commercial, institutional or residential.

Specifications

1. Structure: C-type Linear Ceiling, 30mmH C-Carrier, 38mmH Main, 25 mmH Common Hanger
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Widths: 50mm, 100mm, 150mm, 200mm, 300mm
5. Perforation Pattern: 1.8mm, 2.3mm, 3.0mm
6. Antibacterial Certification: JIS Z 28001 = P
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

Alüm™ C Linear ceiling system uses a conceal suspension system with a C carrier. Lengths are customisable with a maximum length being 6000m. Using a linear aluminium ceiling system offers several advantages, including a modern and sleek design, versatile configurations, easy installation and maintenance, and customisation options. These ceilings provide a contemporary appearance with clean lines and can be installed in various patterns. These benefits makes the Alüm™ C Linear ceiling system a good choice for a wide range of commercial, institutional, and residential applications.

A81 White Matte

A29 Merida Oak Matte

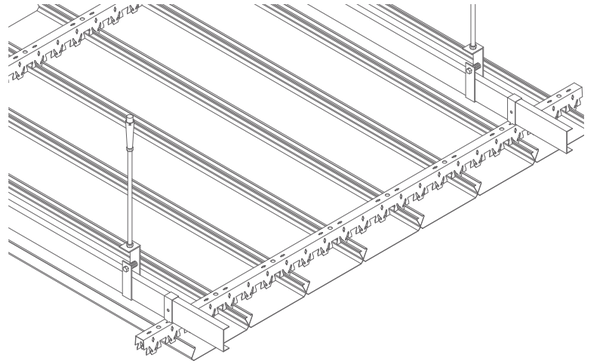
Model Number	Standard Widths
CL - 50	50 mm
CL - 100	100 mm
CL - 150	150 mm
CL - 200	200 mm
CL - 300	300 mm

Alüm
S Linear

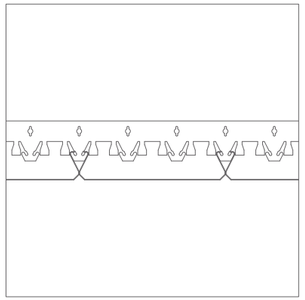
The Alüm™ S Linear ceiling system employs a concealed suspension system featuring an S-shaped carrier. The panels are suspended using a specially designed S carrier, which can be securely locked to ensure windproofing. Utilizing a linear aluminum ceiling system presents multiple benefits, including a contemporary and streamlined design, flexible configurations, effortless installation, seamless integration of services, and customizable options.

Specifications

1. Structure: S-type Linear Ceiling, S-Carrier, 38mmH Main Carrier, 25 mmH Common Hanger
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Widths: 200mm, 300mm
5. Perforation Pattern: 1.8mm, 2.3mm, 3.0mm
6. Antibacterial Certification: JIS Z 28001 = P
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



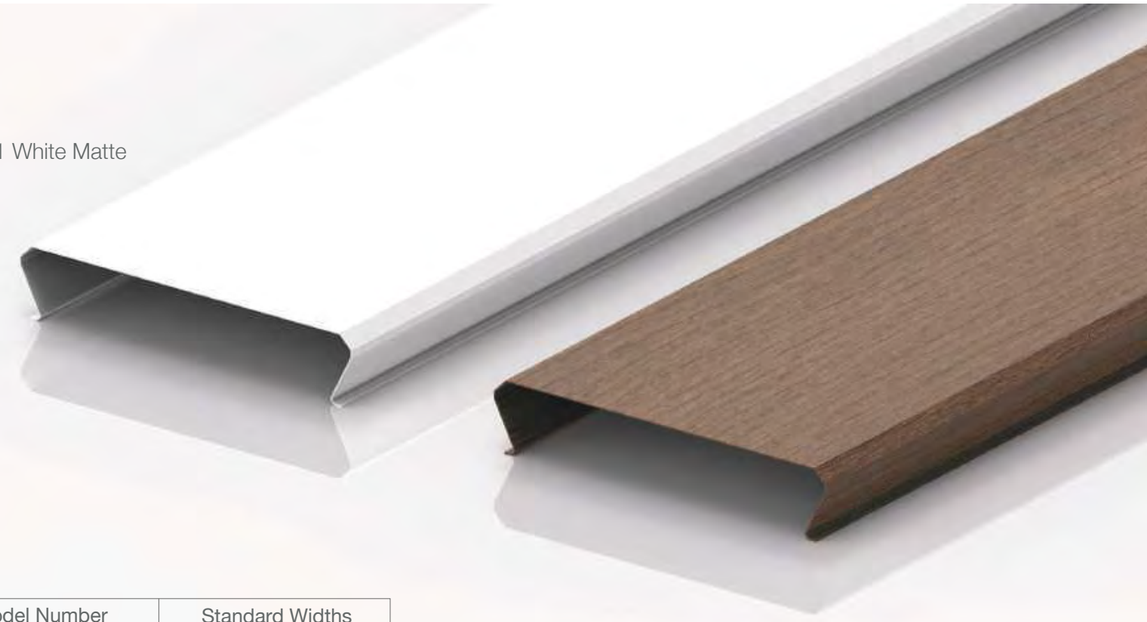
Installation



Section View

Alüm™ S Linear ceiling system is uses a concealed suspension system with a S carrier. Lengths are customisable with a maximum length being 6000m. The panel is suspended by a special S carrier that has the option to be locked tightly, to make the panels windproof. Using a linear aluminium ceiling system offers several advantages, including a modern and sleek design, versatile configurations, easy installation, integration of services and customisation options. These benefits makes the Alüm™ S Linear ceiling system a preferred choice for a wide range of commercial, institutional, and residential applications.

A81 White Matte



A29 Merida Oak Matte

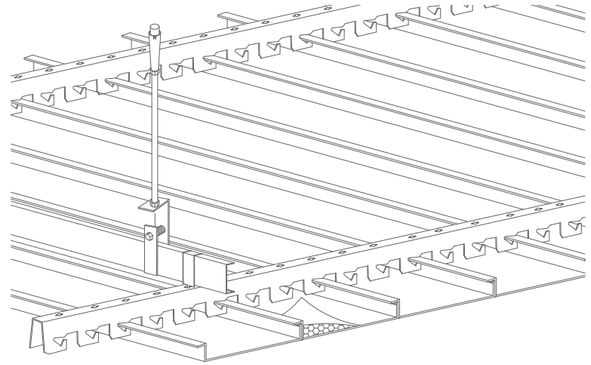
Model Number	Standard Widths
SL - 200	200 mm
SL - 300	300 mm

Alüm
H Linear

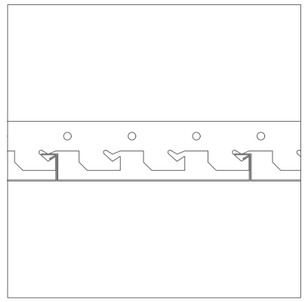
The Alüm™ H Linear ceiling system incorporates a concealed suspension system, utilizing unique H carriers for suspension. Employing a linear aluminum ceiling system offers numerous benefits, including a streamlined design, adaptable configurations, simple installation and maintenance. These ceilings deliver a contemporary aesthetic with clean lines, providing the opportunity for installation in various patterns.

Specifications

1. Structure: H-type Linear Ceiling, H-Carrier, 38mmH Main Carrier, 25 mmH Common Hanger
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Widths: 200mm, 300mm
5. Perforation Pattern: 1.8mm, 2.3mm, 3.0mm
6. Antibacterial Certification: JIS Z 28001 = P
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

Alüm™ H Linear ceiling system uses a conceal suspension, suspended by Special H carriers and it is flatter and more stable than Alüm™ C Linear panels. Length can be customised with a maximum of 6000mm. Using a linear aluminium ceiling system offers several advantages, including a sleek design, versatile configuration, easy installation and maintenance. These ceilings provide a contemporary appearance with clean lines and can be installed in various patterns. These benefits make the Alüm™ H Linear ceiling system a good choice for a wide range of commercial, institutional, and residential applications.

A81 White Matte

A29 Merida Oak Matte

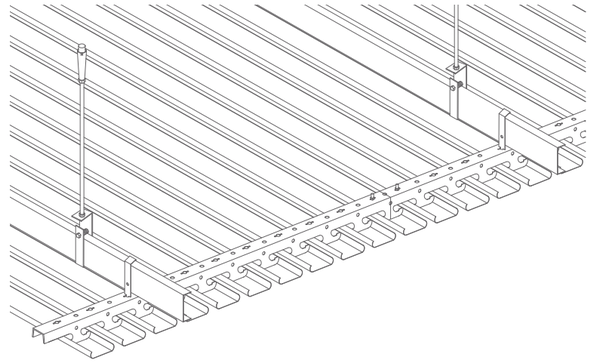
Model Number	Standard Widths
HL - 200	200 mm
HL - 300	300 mm

Alüm
U Linear

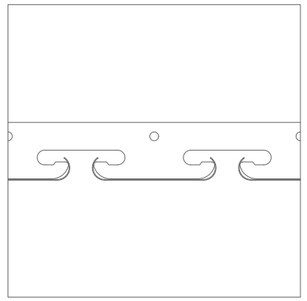
The Alüm™ U Linear ceiling system offers the choice between a concealed suspension or an open suspension system. By utilizing a linear aluminum ceiling system, one can enjoy numerous benefits such as a modern and stylish design, adaptable configurations, effortless installation, and customization options. These ceilings present a contemporary aesthetic and can be installed in diverse patterns, adding a touch of versatility to any space.

Specifications

1. Structure: U-type Linear Ceiling, U-Carrier, 38mmH Main Carrier, 25 mmH Common Hanger
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Standard Widths: 200mm, 300mm
5. Perforation Pattern: 1.8mm, 2.3mm, 3.0mm
6. Antibacterial Certification: JIS Z 28001 = P
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

Alüm™ U Linear ceiling system is uses either a conceal suspension or an open suspension system. There are two types for the installation: Open type (84mm) & close type (84 + 16mm). Using a linear aluminium ceiling system offers several advantages, including a modern and sleek design, versatile configurations, easy installation, and customisation options. These ceilings provide a contemporary appearance and can be installed in various patterns. These benefits makes the Alüm™ U Linear ceiling system a good choice for a wide range of commercial, institutional, and residential applications.

A81 White Matte

A29 Merida Oak Matte

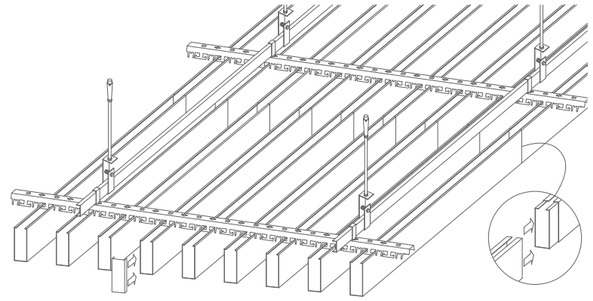
Model Number	Standard Widths
UL - 84	84 mm
UL - 84+16	(84+16) mm

Alüm
Baffle 501

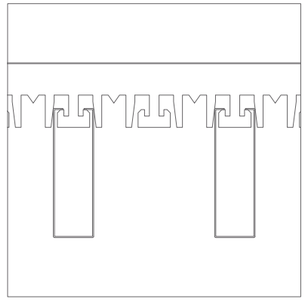
The Alüm™ Baffle 501 Ceiling System incorporates an open space suspension system, offering versatility to accommodate various designs. The gaps within the baffles not only provide convenient access to equipment installed in the ceilings but also contribute to enhancing light brightness and creating captivating lighting effects. With their aesthetic appeal and flexibility, these systems empower architects and designers with the freedom to craft visually striking and impressive installations.

Specifications

1. Structure: Baffle, 38mmH Main Carrier, Hanger of 38mmH Main Carrier, 25mmH Common Hanger
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Baffle Widths: 25mm, 50mm, 75mm, 100mm
5. Baffle Height: 50mm, 100mm, 150mm, 200mm
6. Baffle Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation

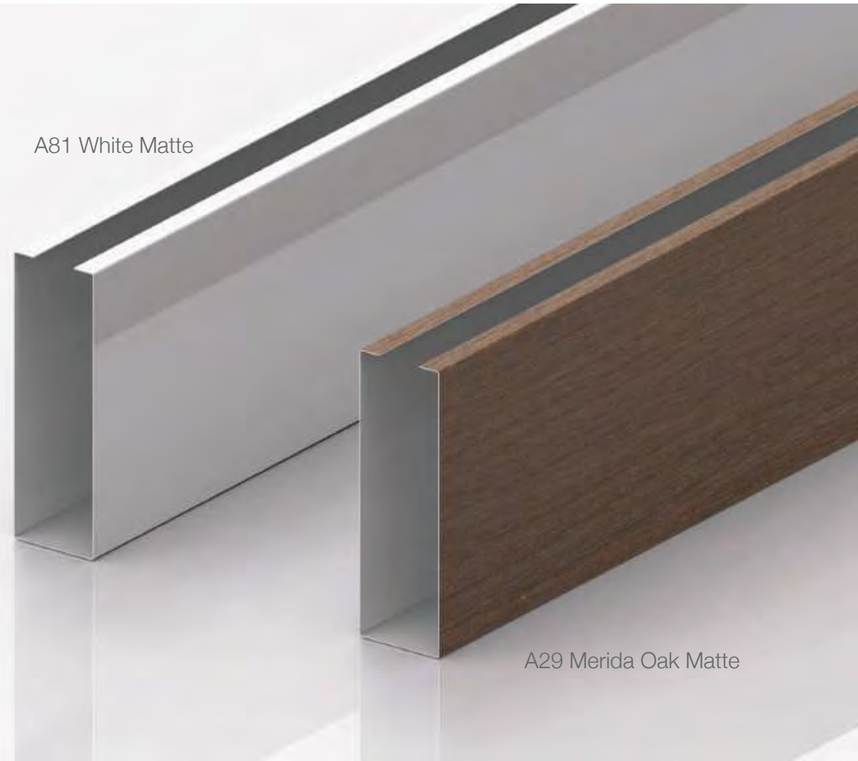


Section View

Alüm™ Baffle 501 Ceiling System uses an open space suspension system and can meet varies designs. Length, width, height and spacing of the panels are customisable. The gaps in the baffles allow for easier access to equipment installed in ceilings and can enhance light brightness or lighting effects. With their aesthetic appeal, and versatility, these systems provide architects and designers with the freedom to create visually stunning and acoustically comfortable environments. Whether it's a commercial or residential project, the Alüm™ Baffle 501 Ceiling System brings a modern touch to any space.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.



A81 White Matte

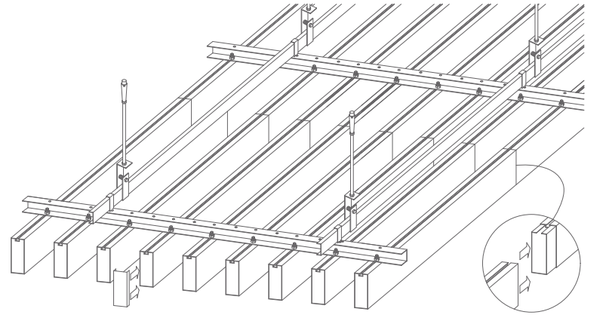
A29 Merida Oak Matte

Alüm
Baffle 502

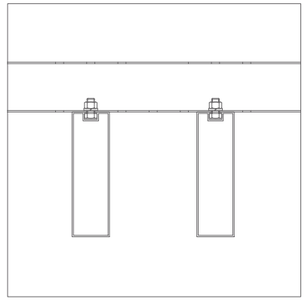
The Alüm™ Baffle 502 offer a winning combination of style and durability. With their sleek design and robust construction, they enhance the aesthetic appeal of any space while ensuring long-lasting performance. Lightweight and easy to install, they provide a practical solution for both residential and commercial environments, making them a smart choice for those seeking an elegant and functional ceiling solution.

Specifications

1. Structure: Baffle, 38mmH Main Carrier, Hanger of 38mmH Main Carrier, 25mmH Common Hanger
2. Material: 6063 Extruded Aluminium
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Baffle Widths: 25mm, 50mm, 75mm, 100mm
5. Baffle Height: 50mm, 100mm, 150mm, 200mm
6. Baffle Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

Alüm™ Baffle 502 Ceiling System uses an open space suspension system and can meet varies designs. Length, width, height and spacing of the panels are customisable. The gaps in the baffles allow for easier access to equipment installed in ceilings and can enhance light brightness or lighting effects. With their aesthetic appeal, and versatility, these systems provide architects and designers with the freedom to create visually stunning and acoustically comfortable environments. Whether it's a commercial or residential project, the Alüm™ Baffle 502 Ceiling System brings a modern touch to any space.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.

A81 White Matte

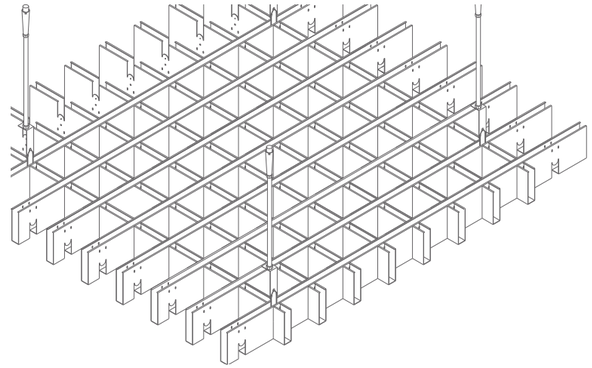
A29 Merida Oak Matte

Alüm
Cell

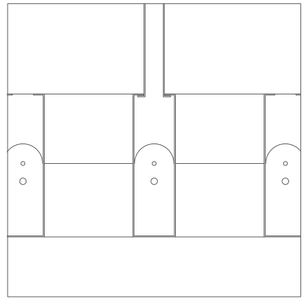
The Alüm™ Open Cell ceiling system utilizes an open suspension system design. These aluminum panels are precisely perforated or designed with cutouts, creating visually appealing patterns and allowing for airflow and the passage of light. The arrangement of the open cells can be customized in various configurations, such as square, rectangular, or hexagonal, providing designers with a wide range of options for creative expression.

Specifications

1. Structure: Main Runner, Cross Runner, 70mmH Hanger of Cell Ceiling, Hanger of 38mmH Main
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Cell Element Widths: 10mm, 15mm, 20mm
5. Cell Height: 30mm, 45mm, 60mm, 100mm
6. Cell Size: 50*50mm, 100*100mm, 300*300mm
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



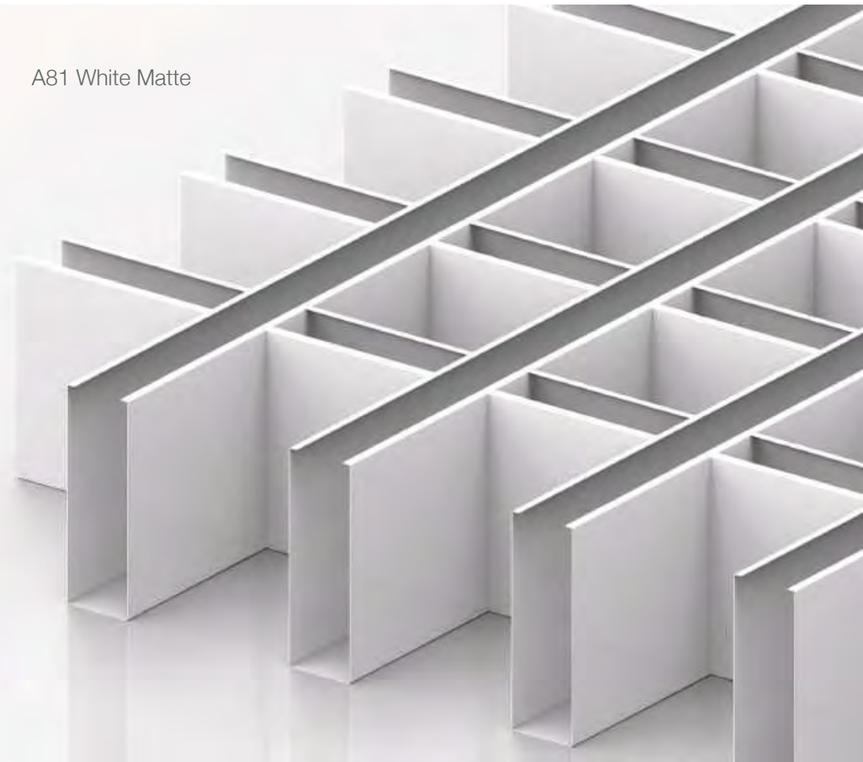
Section View

Alüm™ Open Cell ceiling uses an open plan suspension system. Open-celled aluminium ceilings are characterised by a grid-like structure with open cells or voids. The aluminium panels are precisely perforated or designed with cutouts to create visually appealing patterns and allow for airflow and light transmission. The open cells can be arranged in various configurations, such as square, rectangular, or hexagonal, offering designers an array of design possibilities. This adaptability ensures that the ceiling system seamlessly integrates with the overall design concept, making any ceiling stylish and unique.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.

A81 White Matte

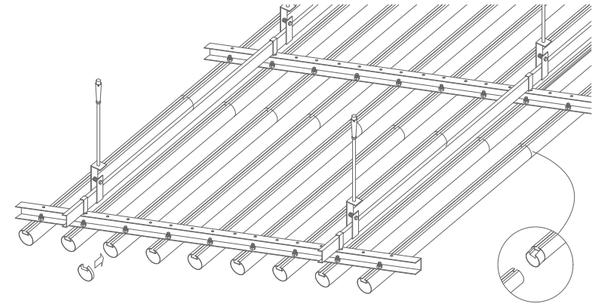


Alüm
Tube

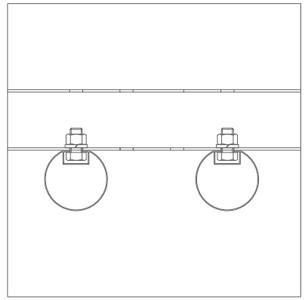
The Alüm™ Tube ceiling system employs an open space suspension system. This innovative system features cylindrical aluminum tubes that are suspended from the ceiling, resulting in a seamless linear effect. The tubes can be installed in horizontal, vertical, or diagonal orientations, offering a multitude of design possibilities and allowing for the creation of unique configurations and patterns.

Specifications

1. Structure: Tube Ceiling, Carrier, 38mmH Main, 25mmH Common Hanger, Hanger of 38 mmH Main
2. Material: 6063 Extruded Aluminium
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Tube Diameters: 20 - 70mm
5. Tube Panel Thickness: 0.6 - 1.2mm
6. Tube Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



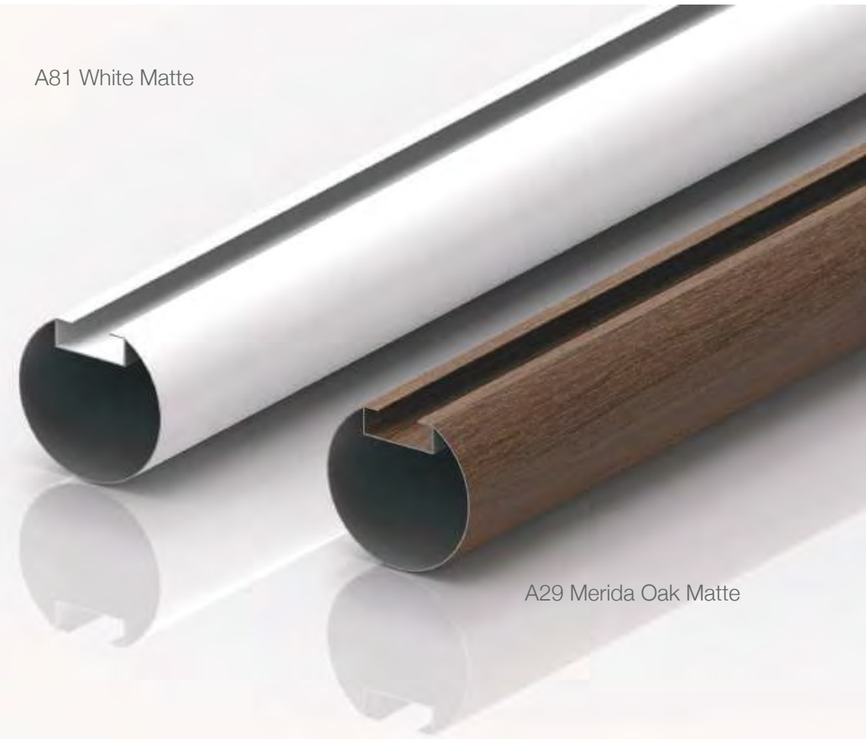
Section View

Alüm™ Tube is a ceiling system that uses an open space suspension system. Aluminium tube ceilings consist of cylindrical aluminium tubes suspended from the ceiling, creating a continuous linear effect. These tubes can be installed horizontally, vertically, or even diagonally, allowing for various design configurations and patterns. The lightweight yet robust nature of the aluminium tubes makes installation and maintenance relatively simple. Alüm™ Tube ceilings offer a seamless blend of elegance and functionality, making them a preferred choice for modern architectural and interior design projects.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.

A81 White Matte



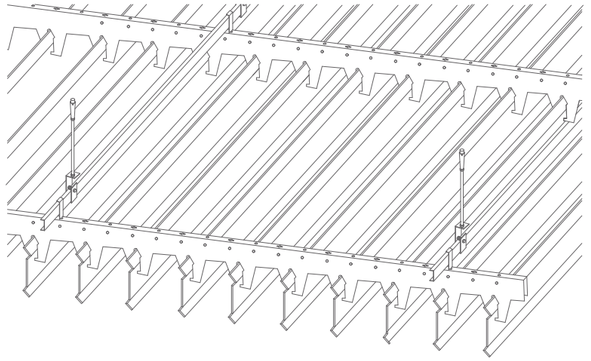
A29 Merida Oak Matte

Alüm
Screen 701

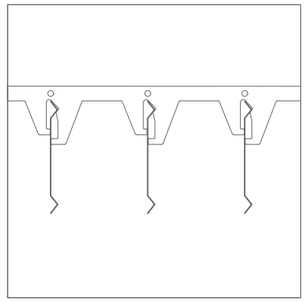
The Alüm™ Screen ceiling system makes use of an open space suspension system, providing exceptional flexibility and adaptability. Customizable in terms of size and spacing, the screens offer limitless design possibilities. With strategically positioned spaces, these intelligently designed screens ensure optimal airflow, ventilation, and efficient operation of equipment located above the ceiling. It effortlessly delivers a stunning solution for any ceiling design, effortlessly combining beauty and functionality.

Specifications

1. Structure: Screen Panel, 38mmH Main Carrier, 25mmH Common Hanger, Hanger of 38mmH Main
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Screen Thickness; 0.6 - 1.0mm
5. Screen Height: 100mm, 125mm, 150mm
6. Suspension Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

The Alüm™ Screen 701 ceiling system utilizes an open space suspension system, allowing for maximum flexibility and adaptability. The screens can be customized in terms of size and spacing, offering endless possibilities for design. The 701 introduces a visually captivating and dynamic design element that adds a touch of modern elegance to any space. Inspired by the iconic chevron pattern, this ceiling system offers a sophisticated and contemporary architectural statement. The panels can be easily adjusted to achieve various configurations, allowing for flexibility and adaptability in design implementation.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.

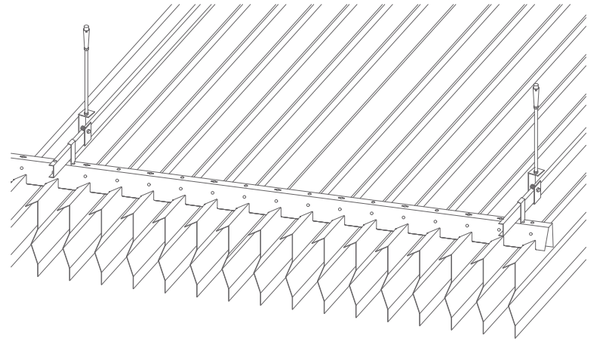
A81 White Matte

A29 Merida Oak Matte

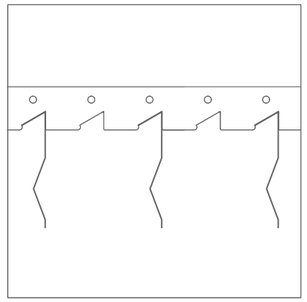
Alüm
Screen 702

Specifications

1. Structure: Screen Panel, 38mmH Main Carrier, 25mmH Common Hanger, Hanger of 38mmH Main
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Screen Thickness; 0.6 - 1.0mm
5. Screen Height: 100mm, 125mm, 150mm
6. Suspension Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

The Alüm™ Screen 702 ceiling system utilizes an open space suspension system, allowing for maximum flexibility and adaptability. The screens can be customized in terms of size and spacing, offering endless possibilities for design. With a fin shape, the 702 introduces a bold and contemporary design element that elevates the visual appeal of any space. Inspired by the sleek and streamlined form of fins, this ceiling system offers a striking architectural statement, which enables them to be incorporated into a range of architectural styles, from modern and minimalist to avant-garde and contemporary.

The Alüm™ Screen ceiling system makes use of an open space suspension system, providing exceptional flexibility and adaptability. Customizable in terms of size and spacing, the screens offer limitless design possibilities. With strategically positioned spaces, these intelligently designed screens ensure optimal airflow, ventilation, and efficient operation of equipment located above the ceiling. It effortlessly delivers a stunning solution for any ceiling design, effortlessly combining beauty and functionality.

Solid Colors and Veneer

Alüm™ comes in a variety of finishes. You can select solid colors using Pantone or RAL codes in either a powder coat or PVDF finish. Alternatively, you have the choice of a natural-looking range of veneer and masonry print finishes.

A81 White Matte

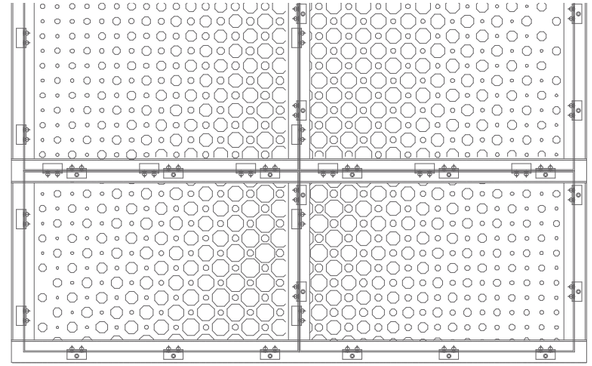
A29 Merida Oak Matte

Alüm
Perforated

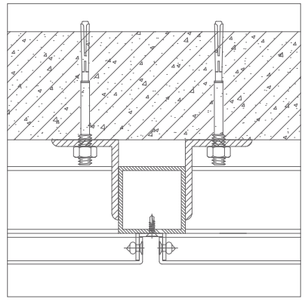
The Alüm™ Perforated present a modern fusion of elegance, longevity, and practicality. Boasting a sleek appearance, exceptional weather resistance, effortless installation, design versatility, and energy efficiency, these panels offer a practical and visually captivating solution for enhancing indoor and outdoor areas alike. They can be effortlessly applied to contoured surfaces, allowing for customization to suit any type of surface you may have.

Specifications

1. Structure: Perforated Panel, 50*50*2mm Square Hollow, Steel L Bracket
2. Material: 1100 Aluminium Alloy
3. Finishing: Powder Coating, PVDF Powder Coating, PVDF Paint, Veneer Print
4. Panel Thickness: 2mm, 2.5mm, 3mm
5. Maximum Size: 1400*4000mm
6. Antibacterial Certification: JIS Z 28001 = Pass
7. Fire-Rated Test: EN 13501-1 = Class B s1, d0



Installation



Section View

Alüm™ Perforated offer a contemporary blend of style, durability, and functionality. With their sleek aesthetics, weather resistance, easy installation, versatility in design, and energy efficiency, these panels provide a practical and visually appealing solution for enhancing both interior and exterior spaces. Alüm™ Perforated can be cladded to contoured surfaces, making it customisable to any type of surface you might have. Whether it's for a commercial or residential project, Alüm™ Perforated creates a modern and timeless look while offering long-lasting performance and design flexibility.

Lighting and Patterns

Alüm™ Perforated takes customization to new heights with its fully customizable punched designs, allowing for seamless integration into any theme or design concept. With the added option of integrated lighting, the illuminated patterns of Alüm™ Perforated not only enhance the visual appeal but also elevate the overall design to a captivating and dynamic level, creating an immersive and enchanting atmosphere that truly sets your space apart from the rest.

A81 White Matte

Customized Perforations Available

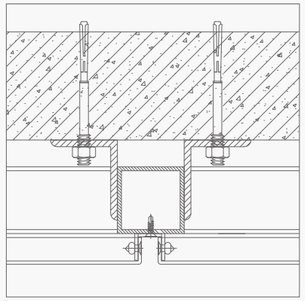
Alüm
Facade

Alüm™ Facade offers versatility and durability for exterior facade applications. Exceptionally resilient and weather-resistant, it is ideal for cladding in various environments. The ease of installation and adaptability to different surfaces, including curved structures, allows for creative architectural expressions. Available in two fire-ratings: EN 13501-1 Class A2 and B, Alüm™ Facade combines safety with style. Perfect for commercial and residential projects, it delivers a contemporary look with long-lasting performance and design innovation.

Specifications

1. Structure: Flat Panel, 50 x 50 x 2mm Square Hollow, Steel L Bracket
2. Material: Fireproof PE Core, 1100/3003 Aluminium Alloy
3. Finishing: PE Coating, PVDF Coating
4. Total Panel Thickness: 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm
5. Aluminium Skin Thickness: 0.20 - 0.50 (Class A), Class B (0.08 - 0.50mm)
5. Maximum Size: 1570 x 4000mm
6. Fire-Rated Test: EN 13501-1 = Class A2 s1, d0 or Class B s1, d0

Installation



Section View

How to Install

Surface Prep
Prepare the installation surface, ensure it is clean, dry and free of any debris or contaminants.

Framework Installation
Fix the metal framework onto the wall or ceiling using mechanical fasteners and anchors.

Panel Placement
Secure Alüm™ Facade with hooks and brackets onto the horizontal supporting rails of the sub-structure. Fasten the panels using screws or rivets to hold the panels in place.

Sealing
Seal any gaps between the panels and the framework with silicone to prevent water ingress and to accomodate thermal movement.

Finishing Touches
Caps, trims, or other finishing components are applied to conceal fasteners and to give a neat appearance.

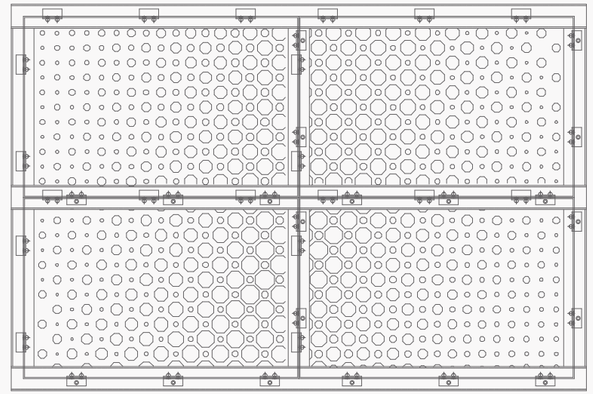
Alüm
Facade Perforated

Alüm™ Facade Perforated offers versatility and durability for exterior facade applications. Exceptionally resilient and weather-resistant, it is ideal for cladding in various environments. The ease of installation and adaptability to different surfaces, including curved structures, allows for creative architectural expressions. Available in two fire-ratings: EN 13501-1 Class A2 and B, Alüm™ Facade Perforated combines safety with style. Perfect for commercial and residential projects, it delivers a contemporary look with long-lasting performance and design innovation.

Specifications

1. Structure: Perforated Panel, 50 x 50 x 2mm Square Hollow, Steel L Bracket
2. Material: Fireproof PE Core, 1100/3003 Aluminium Alloy
3. Finishing: PE Coating, PVDF Coating
4. Screen Thickness: 0.6 - 1.0mm
5. Screen Height: 100mm, 125mm, 150mm
6. Suspension Spacing: Adjustable
7. Antibacterial Certification: JIS Z 28001 = Pass
8. Fire-Rated Test: EN 13501-1 = Class A2 s1, d0 or Class B s1, d0

Installation



Section View

How to Install

Surface Prep
Prepare the installation surface, ensure it is clean, dry and free of any debris or contaminants.

Framework Installation
Fix the metal framework onto the wall or ceiling using mechanical fasteners and anchors.

Panel Placement
Secure Alüm™ Facade Perforated with hooks and brackets onto the horizontal supporting rails of the sub-structure. Fasten the panels using screws or rivets to hold the panels in place.

Sealing
Seal any gaps between the panels and the framework with silicone to prevent water ingress and to accomodate thermal movement.

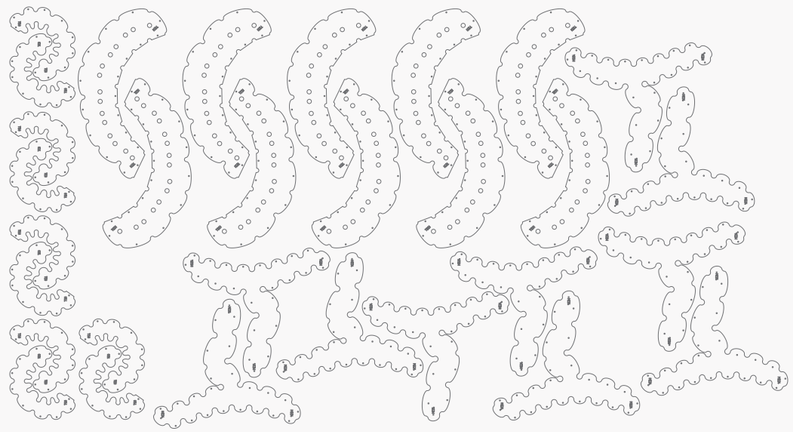
Alüm
Hyperpolyps

Hyperpolyps™ is a variable installation that grows according to function, colour and scale. Inspired by the intersections in bubble clusters, these intersections are given a thickness and the meshes are then relaxed. By relaxing the mesh, a minimum surface is produced at the struts to produce an organic form and minimise the material required. The naked edges of these struts are then rounded off into organic polyp-like forms as observed in corals. Hyperpolyps™ seeks to combine both structure and art in its form and fabrication. Each piece is scalloped at the edges and its colours are carefully selected to ensure the overall look and form remains organic despite using metal throughout

Specifications

1. Structure: Metal Sheets, Rivets
2. Material: Aluminium, Stainless Steel
3. Material Grade: SS304, SS316, AL6061, AL6063
4. Finishing: Natural Anondised, Powder Coated
5. Joining Mechanism: Blind Riveting
6. Standard Thickness: 0.25mm, 0.5mm, 1mm
7. Standard Dimension: Customisable
8. Shapes: Cell Structure
9. Fire-Rated Test: EN 13501-1 = Class A

Exploded Cut Sheet



0.25mm AL5052 Aluminium

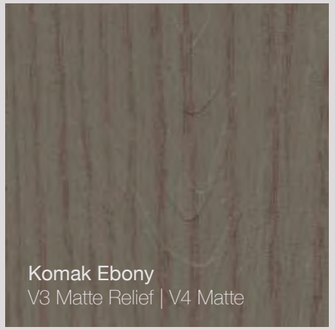
How is Hyperpolyps™ made?

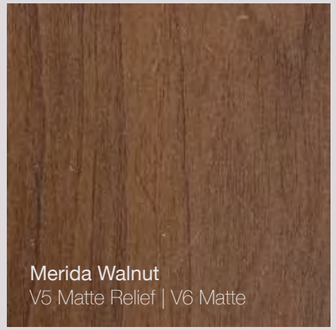
The production of Hyperpolyps™ begins in a precision-engineering facility, where laser cutting shapes the structure's subunits from sheet metal. These pieces are then powder-coated at a paint factory, enhancing their weather resistance. On-site, a skilled team of 3-6 professionals uses pop-rivet guns to assemble these subunits.

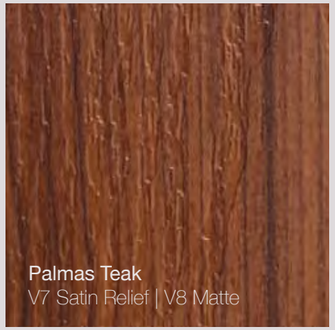
Designed with scalloped edges for an overlapping, scale-like effect, the subunits are riveted together, ensuring structural stability. They also feature small slits near the edges for stress relief. The finishing touch is a durable powder coating, available in up to 12 colors, providing both protection and design variety.

Alüm Colours

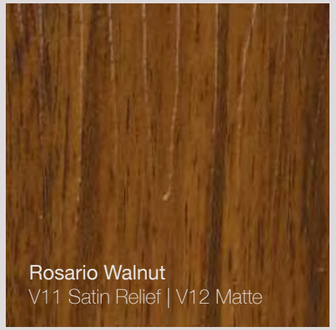

Natal Eucalyptus
V1 Matte Relief | V2 Matte

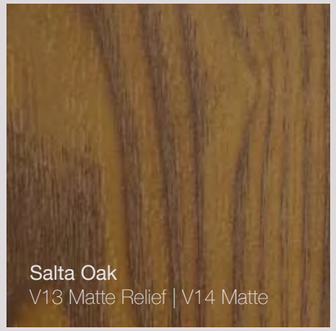

Komak Ebony
V3 Matte Relief | V4 Matte


Merida Walnut
V5 Matte Relief | V6 Matte


Palmas Teak
V7 Satin Relief | V8 Matte

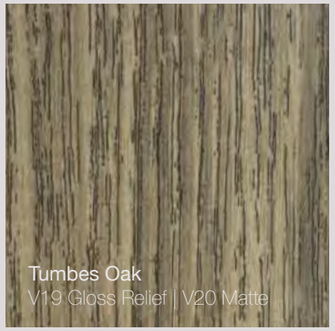

Behem Mahogany
V9 Matte Relief | V10 Matte

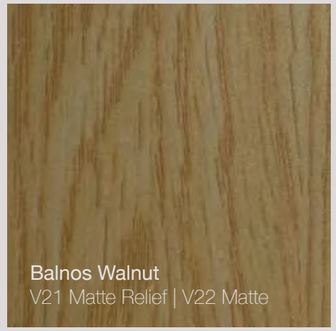

Rosario Walnut
V11 Satin Relief | V12 Matte

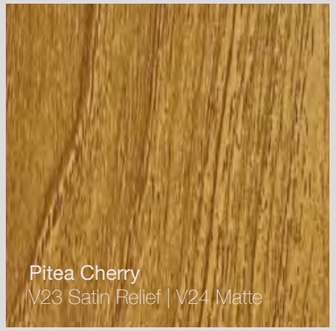

Salta Oak
V13 Matte Relief | V14 Matte

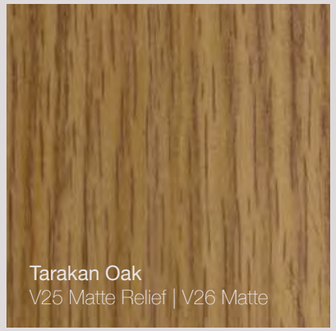

Sucre Rosewood
V15 Matte Relief | V16 Matte


Salvador Anigre
V17 Gloss Relief | V18 Matte


Tumbes Oak
V19 Gloss Relief | V20 Matte


Balnos Walnut
V21 Matte Relief | V22 Matte


Pitea Cherry
V23 Satin Relief | V24 Matte


Tarakan Oak
V25 Matte Relief | V26 Matte


Palora Oak
V27 Satin Relief | V28 Matte


Ljubljana Pine
V29 Matte Relief | V30 Matte


Palmas Teak
V31 Matte Relief | V32 Matte


Turku Oak
V33 Matte Relief | V34 Matte


Tena Oak
V35 Matte Relief | V36 Matte

Alüm Colours

Glacier White
P1 Matte

Dovetail Grey
P2 Matte

Hickory Brown
P3 Matte

Charcoal Grey
P4 Matte

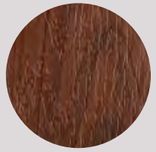
Onyx Black
P5 Matte

RAL & Pantone Colours
Available Upon Request

Alüm Coating

Polyester Coating
Polyester finish consists of unsaturated synthetic poly resins that are blended with organic pigments. It leaves a hard and smooth finish that has corrosion-resistant qualities. Polyester finish is well-suited for indoor finish. It is available in both paint and powder coat applications.

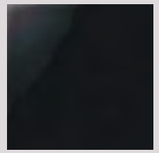
PVDF Coating
PVDF (polyvinylidene fluoride) coating is a resin based liquid coating system and a pure thermoplastic fluoropolymer that is non-reactive. It is especially resistant to solvents, acids and have a very low density compared to similar fluoropolymers. PVDF finish is well-suited for outdoor finish. It is available in both paint and powder coat applications.



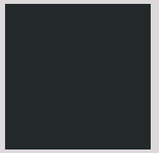
Heat Transfer Veneer Printing
Veneer transfer printing gives aluminium surfaces a wood-like appearance. To transfer the wood grain design onto the aluminum surface, the transfer film is placed on top of the aluminum profile and then subjected to high heat and pressure. This causes the ink to transfer from the transfer film to the aluminum surface.

Alüm Finishes

Wood Relief
Embossed wood veneer has a textured surface that mimics the natural grain patterns of wood. This helps to add a tactile and visual dimension to the aluminium surface.



Glossy
Gloss finish adds a protective film to the top of your label that will not only protect your design, but also catch the light in attractive ways.



Matte
Matte finishes provide a smooth and non-reflective surface. The surface has anti-fingerprint properties, making it easy to maintain.

Frosted
Frosted finish is homogenous and has minimal reflectivity. The surface is non-directional with a uniform matte appearance.