

We are pleased to provide you with

- FEITENG 9 Series Color Charts
- VANMSI Brochure
- FEITENG's Corresponding Certification Certificate
- Accessories, Profiles/Profile Systems
- All FEITENG Sample

# FEITENG VEGA

## BATHROOM WATERPROOF/FIREPROOF PANEL

[www.feitengacp.com](http://www.feitengacp.com)



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## FEITENG Vega Bathroom Waterproof/Fireproof Panel

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FEITENG VEGA Bathroom Waterproof/Fireproof Panel is an eco-friendly interior wall panel. Featuring an aluminum substrate surface with specialized coatings, this panel achieves diversified colors, water resistance, moisture resistance, antibacterial properties, mold prevention, and stain resistance. Its integration with inorganic core materials makes it an ideal solution for wet areas such as shower spaces.

FEITENG Waterproof/Fireproof Panel is typically recommended as an aluminum composite panel with either:

**3mm PE core** – striking a balance between delicate texture and cost-effectiveness

**4mm FR (fire-rated) core** – delivering enhanced weather resistance, fireproofing, and waterproof performance

This modular design ensures adaptability across environments while maintaining structural integrity and aesthetic versatility.

FEITENG Waterproof/Fireproof Panel can be directly bonded to new wall substrates or existing tiles, with a slim profile of just 3mm–4mm thickness. This makes it an ideal solution for both renovation projects and new construction.

# FEITENG Vega Characteristics

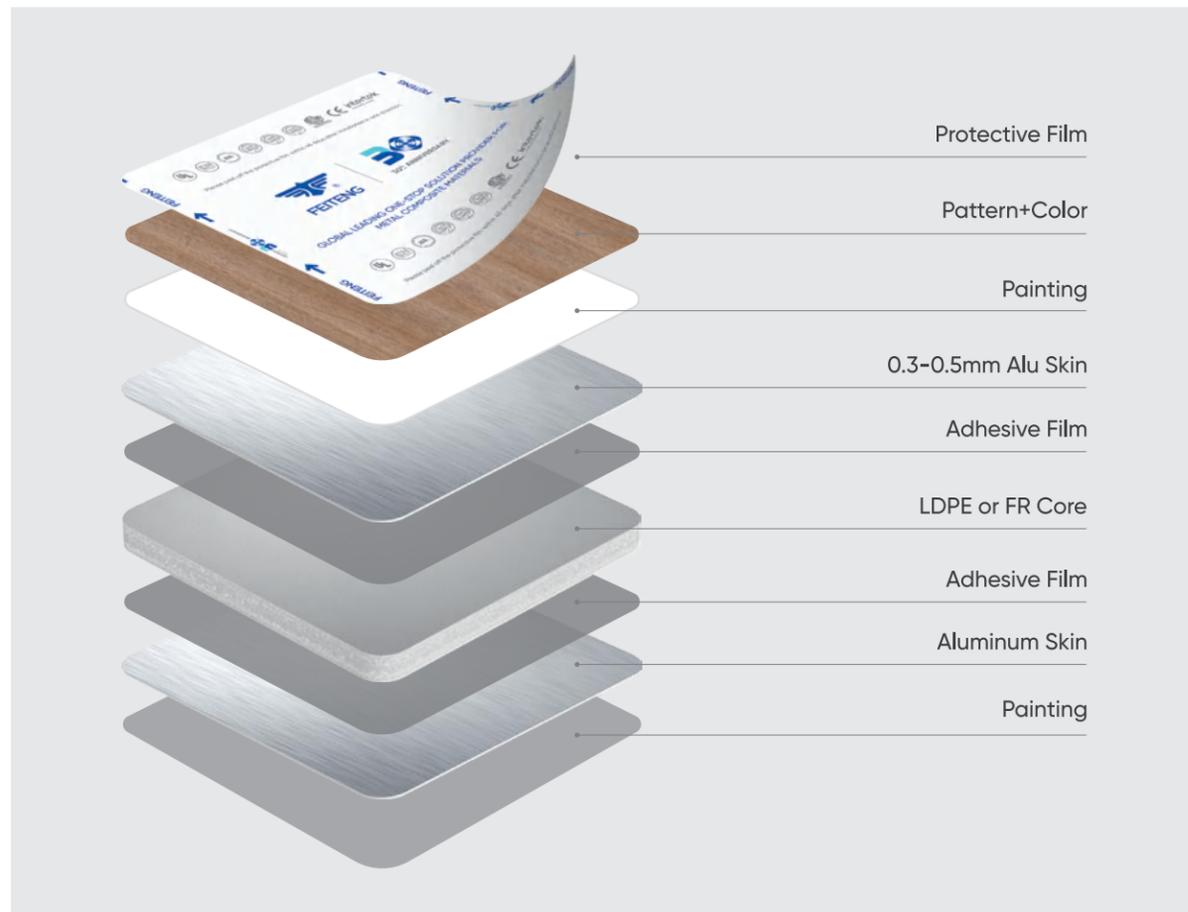
FEITENG VEGA Verify product features and advantages through laboratory testing, including:



## Waterproof and Moisture-proof

The PE/FR core layer completely blocks water vapor penetration (0% water absorption rate), while the aluminum surface layer undergoes seamless welding treatment.

- Easy Cleaning: Dirt and stains can be effortlessly wiped away and cleaned using a microfiber cloth.
- Non-toxic and Lead-free Finish
- Shatter-resistant
- Low Maintenance



## Environmentally Friendly

- 100% post-consumer recycled content
- Non-toxic and lead-free



## Quick & Easy Installation

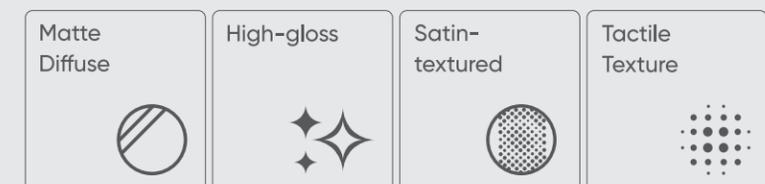
- Eliminates need for costly professional installation
- Workable with standard wood-working tools
- Installs 3x faster than tile or marble
- Features V-grooving for seamless corner folding
- Effortless niche cutout fabrication
- Comprehensive edge/corner profiles ensure clean finishes



## Low Maintenance Costs

- Surface features specialized coating that resists soap scum and repels calcium deposits
- Daily cleaning requires only damp cloth wiping (unlike tile grout mildew which requires professional cleaning)

Powered by innovative materials engineering, the FEITENG Waterproof/Fireproof Panel offers four distinct finish systems:



Note: Different series can present different surface processes.

# FEITENG Vega Sample Service



Have questions about a design or finish?  
Request your sample.

## SAMPLES

- Finish options flexible
- Custom designs available
- FEITENG VEGA A4 Samples



## Personalized needs

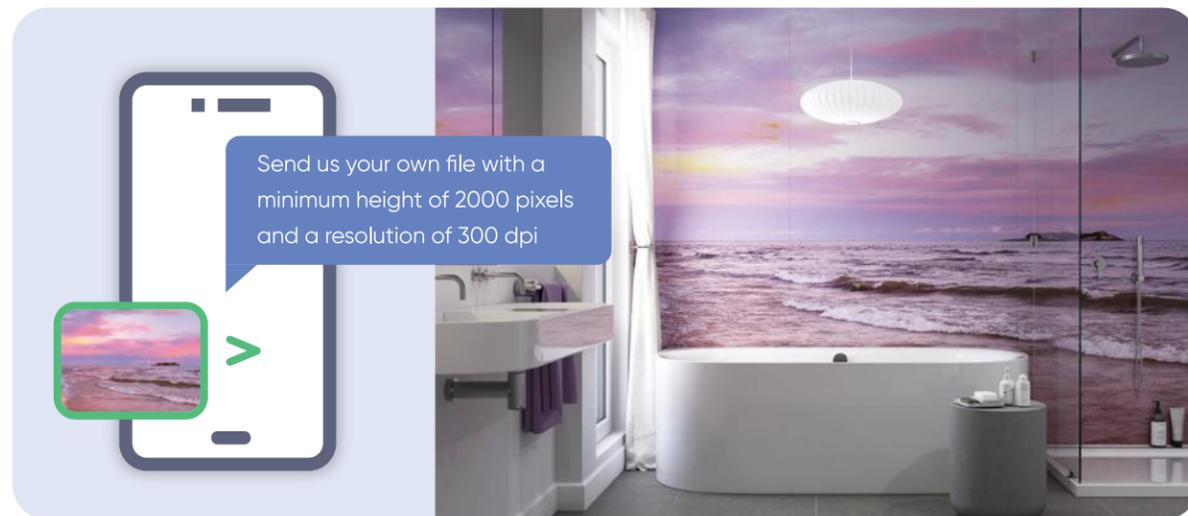
If you need to customize a surface color scheme for your next project, our technicians will perform digital design and customization according to your needs.

To ensure that we match the style you need correctly, we need you to provide:

- The minimum sample size is 1 inch "x 1 inch"
- Pantone®, RAL, NCS Or paint code reference
- Physical objects, such as wood, rocks, metals with rust patterns, etc

Please send us the color sample along with your name, company name, address, phone number, and email, as well as the project name and location

Zhangjiagang Feiteng New Composite Materials Co.,Ltd.  
Huada Road 77, Jingang Town, Zhangjiagang City,  
Jiangsu Province, China



Send us your own file with a minimum height of 2000 pixels and a resolution of 300 dpi

# FEITENG Vega Standard Custom Designs

Note: Layout designs adapt to panel dimensions.  
Recommended standard sizes: 1200×2550mm or 1500×2550mm  
Default layout schemes preset for each visual design based on panel width

Visit [www.feitengacp.com](http://www.feitengacp.com) for predefined layout specifications  
Select visual designs support panoramic printing across multiple panels

Contact our design team for:

High-Quality Visuals	Professional Deliverables	Custom Dimensions	Special Layout Requirements
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The panoramic dimension above is 3600×2550mm, sectioned into three 1200×2550mm panels.

Application Scenario	Panel Usage	Effective Width
Full panorama	3 panels	3600mm
Compact bathroom	1-2 panels	1200-2400mm
Column wrapping	Custom cuts	Variable

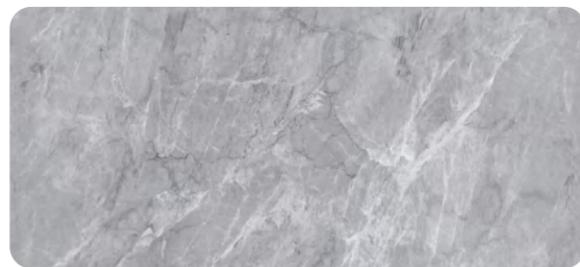
The panoramic allows seamless continuation with additional panels, extending indefinitely along modular dimensions.



# FEITENG VEGA Quarry Series



VGQ-001



VGQ-002



VGQ-003



VGQ-004



VGQ-005



VGQ-006



VGQ-007



VGQ-008



VGQ-009



VGR-001



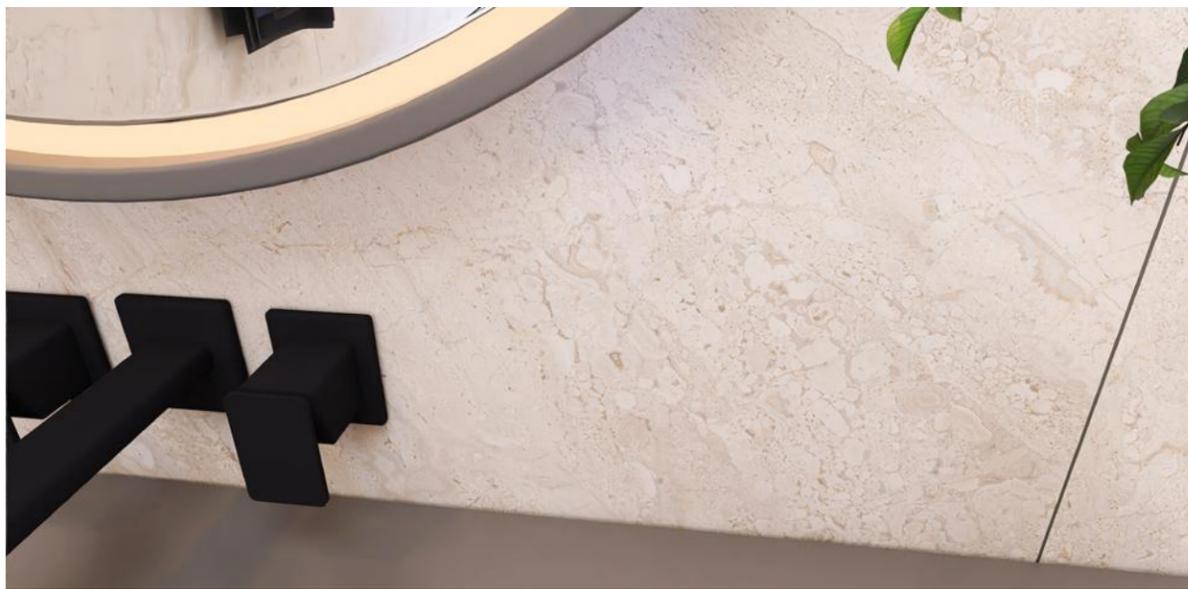
VGR-002



VGR-003

# FEITENG VEGA Rock Kiln Series

Matte Diffuse 	High-gloss 	Satin- textured 
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# FEITENG VEGA Logging Farm Series

Matte Diffuse  
Tactile Texture



VGL-005



VGL-006



VGL-007



VGL-008



VGL-001



VGL-002



VGL-003



VGL-004

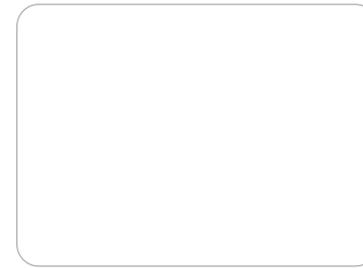


# FEITENG VEGA Solid Color Series

Matte  
Diffuse



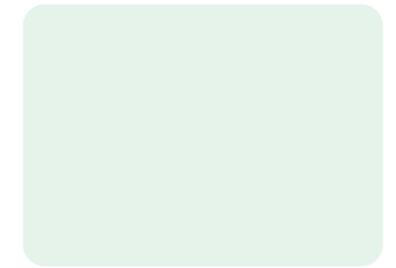
High-gloss



VGS-001



VGS-002



VGS-003



VGS-004



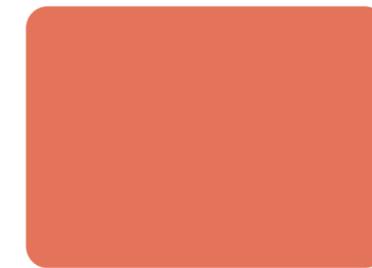
VGS-005



VGS-006



VGS-007



VGS-008



VGS-009



VGS-010



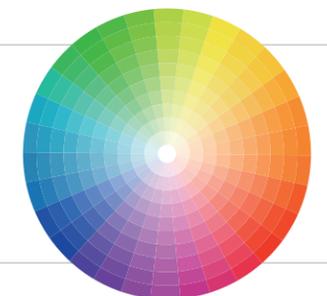
VGS-011



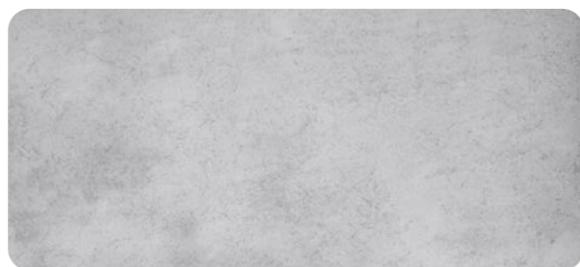
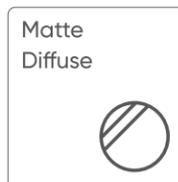
VGS-012

### Want to choose your own colour?

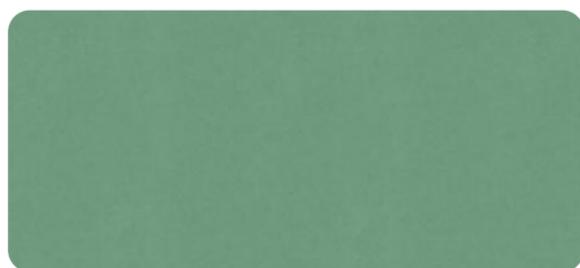
Ask FEITENG team member how we can produce your chosen panel in any stocked paint colour.



# FEITENG VEGA Grinding Plant Series



VGG-001



VGG-002



# FEITENG Vega Technical Data

## Dimensional Properties

Dimensions	1220mm × 2550mm × 3mm
	1500mm × 2500mm × 3mm
	1220mm × 2550mm × 4mm
	1500mm × 2500mm × 4mm
Tolerances	Length ± 3mm
	Width ± 2mm
	Flatness ≤ 2mm/m
	Edge straightness ≤ 1mm/m
	Squareness ≤ 5mm/m

## Structure

1	Front face: Decorative design
2	Substrate: Composite core material 4mm ± 0.2mm
3	Rear face: Grey backer

If you have other size requirements, please contact [info@feitengacp.com](mailto:info@feitengacp.com)



## Performance index

Aluminum	Unit	PE core		FR core	
		3mm	4mm	3mm	4mm
Alu thickness	mm	0.2	0.3	0.2	0.3
Alu grade		1100	1100, 3003, 5005	1100	1100, 3003, 5005
<b>Mechanical Property</b>					
Bending strength	MPa	≥50			
Penetration resistance	MPa	≥3	≥5	≥3	≥5
Shear strength	MPa	≥12	≥12	≥12	≥15
Tensile strength of Alu	MPa	≥145			
Alu Proof stress(0.2%)	MPa	≥115			
The elongation of Alu	%	≥2			
Liner thermal expansion	mm/m	≤2.4(100°C) Aluminum product			
	°C-1	≤0.0004 Composite panel			
Thermal deformation temperature	°C	≥85	≥85	≥95	≥95
180° peel strength	N/mm	≥4	≥5	≥4	≥5
Heat resistance water	/	No change			

## Mechanical Properties For Complete Adhesive and Sealant

	Testing Method Norm	Unit	Value
Through Cure Rate		mm/24hrs	3.5
Density	ISO 37	Kg/l	1.58 = Adhesive, 1.38 = Sealant
Elasticity Modulus at 100%	ISO 37	N/mm <sup>2</sup>	1.2
Elongation at Break	ISO 37	%	>480 = Adhesive, >350 = Sealant
Tensile Strength		N/mm <sup>2</sup>	>2 = Adhesive, >2.7 = Sealant
Max Open Time	ASTM D1002-rate-6mm/min	Mins	30 = Adhesive, 55 = Sealant
Shear Strength		N/mm <sup>2</sup>	>1.5 = Adhesive, >2 = Sealant
Shore A Hardness		± 5	60 = Adhesive, 55 = Sealant
Skin Over Time		Mins	16
Viscosity C&P @0.6 s <sup>-1</sup>		Pa.s	1500 = Adhesive, 1800 = Sealant
Volume Alteration		%	<1
Colour Stability UV Exposure	ASTM G154	CIELab - Delta E	<1

# FEITENG Vega

## Technical Data

### Practical Advice on the Use of FEITENG Waterproof/Fireproof Panel

#### General

FEITENG VEGA are designed with decorative and functional properties for interior applications in Bathroom Waterproof Wall, within residential areas.

FEITENG Waterproof/Fireproof Panels feature inherent waterproof properties, certified for direct installation in bathroom wet areas.

The installation of FEITENG VEGA Bathroom Waterproof/Fireproof Panel is covered by specific installation instructions and guidelines. Installation instructions are packed with every panel and are available at the brands website.

The bonding side of panels, designed for gluing on wall substrates should be clean, dry, and free of dust, oil and grease.

All FEITENG Waterproof/Fireproof Panels should be sealed where there is risk of water ingress reaching the wall surface. The bonding to preliminary wall treatments is dependent on the type of treatment; always fully observe the instructions for use issued by the treatment manufacturer before applying FEITENG Waterproof/Fireproof Panels.

#### Storage and Transportation

FEITENG Waterproof/Fireproof Panels should be transported on a horizontal, flat, level and sufficiently large base board with protection against slippage and side damage. In addition, the panels should be protected from moisture and mechanical damage.

In terms of transportation conditions, FEITENG Waterproof/Fireproof Panels are not deemed to be dangerous goods, so labelling is not necessary.

#### Conditioning

Before installing the panels, they should be stored for 24 hours at normal indoor temperature. (18 – 25°C; relative humidity 50–65%).

These conditions should then be maintained in the room post installation and until the room is commissioned.

#### Wall Conditioning

Walls must be dry, clean, stable, and flat.

FEITENG Waterproof/Fireproof Panels can be bonded to various types of plaster, gypsum and cement, plasterboard, fibreboard, various types of wood-based panels such as



particleboard, MDF and OSB.

On stone and ceramic surfaces: clean thoroughly and key the surface before applying the panels.

#### Maintenance, Care and Cleaning

FEITENG Waterproof/Fireproof Panels are robust and do not require special care thanks to the non-porous surface.

Panels are easy to maintain. On a day-to-day basis wipe, them down with a moist cloth and a mild detergent.

Do not apply waxes or polishing agents.

Do not use acidic, caustic, or abrasive cleaning detergents or materials to clean the Aluminium surface.

Aluminium panels must only be cleaned regularly with the recommended products.

Splashes, oil, and a buildup of grime should be removed and

wiped clean.

Only use a soft microfiber cloth or a non-abrasive cloth.

Do not use; Detergent with bleach or home remedy solutions like baking soda or other stain removing powders.

#### Environmental and Health Aspects in Use

Observe normal health and safety rules when processing the panels in terms of weight, dust, and sharp edges.

After cutting, edges can be quite sharp, please ensure edges are deburred and wear appropriate PPE, when handling product.

During cutting there is a risk of sparks being generated when cutting. Please ensure appropriate measures are taken to prevent fire.

#### Waste Disposal

FEITENG Waterproof/Fireproof Panels waste is classified in accordance with the regulation of the European Waste Catalogue (EWC) to the six-digit waste code EWC 170 904 and the waste definition "mixed construction and demolition wastes" and may be disposed of as domestic waste or commercial waste. FEITENG Waterproof/Fireproof Panel is 100% recyclable after post consumption.

All the information contained in this technical data sheet is based on the latest technological know-how but does not constitute a guarantee.

Indeed, we assume no guarantee of suitability for specific areas or purposes of application.

# FEITENG Vega Installation

## Tips

### Before you start...

- Check your FEITENG panel for damage or imperfections.
- Read the entire installation guide and decide on the installation method you plan to use
- Ensure you have all of the tools and materials required.
- Measure the designated area for your FEITENG panel to ensure you have enough material
- Ensure receiving surfaces are clean and smooth.

- Please note, this advice does not supersede that given by your appliance manufacturer and you must always follow manufacturer instructions around the distance between your appliance and other items.
- Do not remove the protective film from the back of your FEITENG Waterproof/-Fireproof Panels until after you have cut to size and are ready to apply adhesive.

### During installation...

- Ensure you wear the appropriate Personal Protective Equipment throughout installation.
- Always complete a dry fit between cut and installation.
- Take care and use a two-man lift when moving panels.

## Tools

- Tape measure
- Sand paper
- Masking tape
- Spirit level
- Complete adhesive
- Complete sealant(or clear silicone)
- Sealant gun
- 1.5mm packers
- Metal file
- Metal seam roller
- Circular saw with new aluminium cutting blade
- Handheld router
- Electric drill with HSS drill bit
- Jig saw with new aluminium cutting blade
- Guide rail for circular saw



Circular Saw with new aluminium cutting blade



Handheld router



Electric Drill with HSS drill bit (or hole saw)



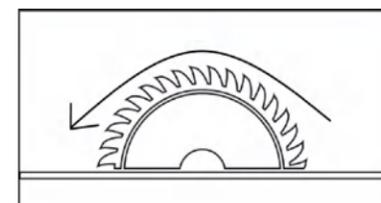
Jig Saw with aluminium cutting blade

## Sheet Inspection

- The first step is to inspect your FEITENG panel for damage or imperfections prior to installation, being sure to check the FEITENG surface for scratches or drag marks. If you find damage, unless the damage can be removed, do not work with the panel. Instead, please contact your supplier.
- If you are installing multiple FEITENG panels next to each other, please check for colour variation before commencing. If there is colour variation, please contact your supplier.

## Cutting and Finishing

- Always support the panel fully on a clean, flat surface. Ensure the decorative side of the panel is the correct way up, depending on what type of circular saw you are using, and what direction the saw blade is rotating. Before you start, check nothing beneath the panel



- will damage or scratch the surface, and that nothing can be damaged by your work. Important: if it is necessary to cut your panels to size, it is very important to be aware that any newly cut edge will be very sharp and must be finished. Cutting to size should only be carried out with a circular saw and not a jig saw.
- Check your measurements before cutting, and remember to leave a 1.5mm allowance for thermal expansion. Use a circular saw with a new aluminium cutting blade to cut your panel to size. Cut so that the blade cuts up through

- the front of the splashback. Remember to measure twice and cut once
- Finishing: After cutting, it is essential to deburr cut edges to create a slight bevel to both top and bottom, using a wooden block with either 300 or 400 grit sandpaper. Angle your block and sand with a few passes across the entire length, creating a slight bevel. In doing so, you will be left with a clean, straight edge and you will remove any possible blade wobble left by cutting. Important: Do not use a deburring bladed tool or a rotary tool for this purpose.

## Measuring

Do not remove the protective film from your panel until after you have cut to size and are ready to apply adhesive.

### Technical & Specifications

#### Height

Vertical distance from finished floor level (FFL) to installation head point

#### Setback Depth

Installation plane offset relative to datum line

#### Width

Horizontal clearance between installed walls (or fixed point-to-point)

#### Intersection Angle

Angular deviation of adjoining walls (typically  $90^{\circ} \pm 0.5^{\circ}$ )

#### Plumbness (CRITICAL)

Deviation of wall surface from true vertical plane

#### Hardware Mounting Points

hinges/clamps/rails

Once your measurements are complete, you can transfer them onto the back of the panel, without removing the protective film, by placing masking tape where you need to make a pencil mark.

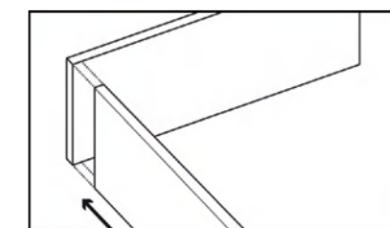
Repeat the steps for every wall.

Remember to measure twice, and cut once.

## Fitting with a Butt Joint without Joint Accessory

- Once cut, carry out a dry fit of the panel by placing it against the wall without applying adhesive. Once happy with the fit, remove the protective film from the back of the panel.
- Leaving a 40mm perimeter around the edge adhesive-free, apply Complete adhesive in zig zag motions

- Apply to the wall, using packers for the expansion gaps. If the panel is placed to meet another panel or a perpendicular wall, allow for a 1.5mm gap. Follow Complete adhesive guidelines. Once cured, remove packers and edge all around with Complete sealant.



## Installation Methods

### Fitting with a Butt Joint

This is the easiest and fastest method. Flat panels meet at the corner with a butt joint.

### Fitting with a Profile Finish

For a superior finish, use a profile. The panel is finished with trims, then adhered to the wall.

### Fitting External Corners with Profiles

Use an external corner profile to join two panels meeting at an external corner

### Fitting Internal Corners with Profiles

Use an internal corner profile to join two panels meeting at an internal corner.

# FEITENG Vega Installation

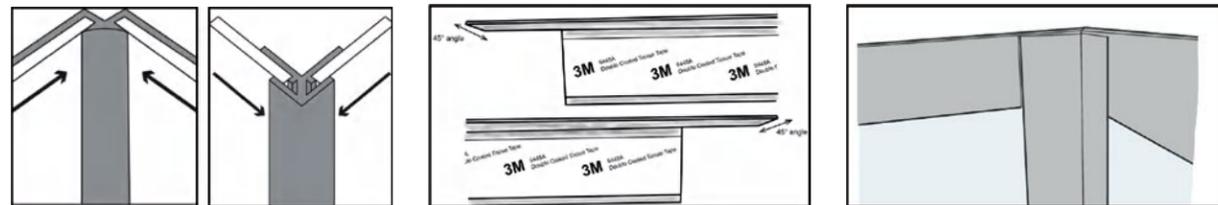
# FEITENG Vega FEITENG ZENFIX

## Fitting with an External or Internal Corner Trim

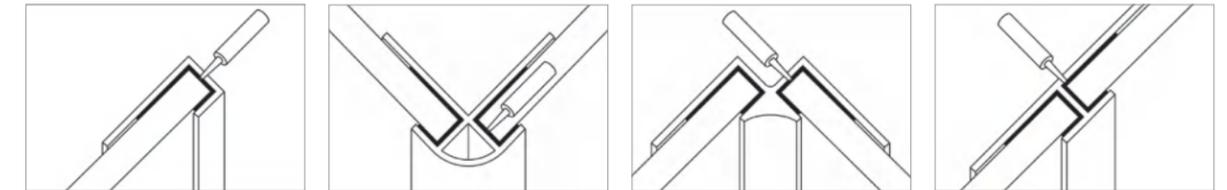
- Cut your panel to size following the instructions above. Once cut, lay out a dry fit of the pieces by placing them against the wall without applying adhesive.
- Measure and mark your internal or external corner trim, then cut the trim to size if necessary using a chop saw. Without removing the tape from the trim, carry out a dry corner fit by placing both panel pieces against the wall with the trim in place.
- Once happy with the fit, lay the splashback flat and fully supported with the decorative side face down. Remove the protective film from the back of the Feiteng Kitchen Splashback and clean the splashback with the alcohol wipe.
- Remove the double sided tape backer from one side of the trim, and carefully attach the taped side to the back of the Feiteng Kitchen Splashback

- To attach to the wall in one piece: remove the double sided tape backer from one side of the trim and carefully attach the sticky side to the back of the FEITENG panel. Manoeuvre the panel into a right angle and repeat the step for the second piece. Apply Complete adhesive to the back of the panel in a zig zag. Leaving a 40mm perimeter around the edge adhesive-free. Apply the panel to the wall with the trim pushed against the corner, using packers for the expansion gaps. Follow Complete adhesive guidelines. Once cured, remove packers and edge all around with Complete sealant.
- To attach to the wall in two steps, remove the double sided tape backer from one side of the trim and carefully attach the sticky side to the back of the FEITENG panel. Apply Complete adhesive to the back of the panel in a zig zag, leaving a 40mm perimeter around the edge adhesive-free and apply the panel to the wall. Apply adhesive to the second pane, and slide it own into the trim from above, to meet the wal. Use packers for the expansion gaps. Follow Complete adhesive guidelines. Once cured, remove packers and edge all around with Complete sealant.

- There may be instances where an edge profile needs to be installed close to an exposed internal or external corner. It is possible to make a small alteration for neat fit. In this example the splashback will be fitted with a corner trim and finished with a profile trim on the top edge by creating interior or exterior 45 degree angles at the edges where the trims meet, and cutting a small gap in each profile trim to accommodate the corner trim.
- Cut the internal or external corner profile to height and fix to the splashback following the instructions above, Establish which corner side each trim will be used on and the angle direction required. Using a mitre block or miter saw, cut each profile edge at a 45 degree angle. This will allow the visible, narrow side of the trims to meet neatly at the corner. From the outermost corner of the trim, measure 35mm and mark the measurement on the double sided tape. This creates a small rectangle on the wide side of the trim where material will be removed, but the narrow lip above will remain. Using a junior hack saw, remove the small rectangle of material by cutting the wide side of the trim, leaving the narrow lip in tact. The top profile edge will now accommodate the corner trim and can be fitted to the wall following the instructions above.



When joining square edge panels or finishing off edges, the appropriate profiles should be used. FEITENG offers a range of aluminium profiles in a complimentary selection of stylish decors and surface finishes. All profiles are designed for vertical installation and are supplied in 2.44m lengths.



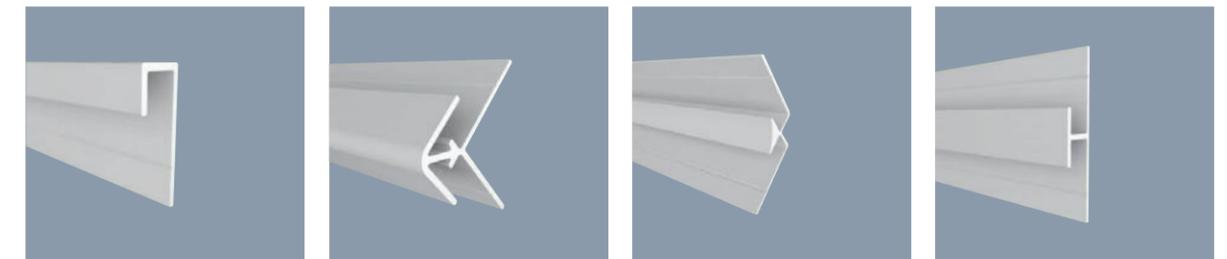
**End Trim**  
Finishing end trim for panels.

**External Corner**  
Used on all external 90° corners.

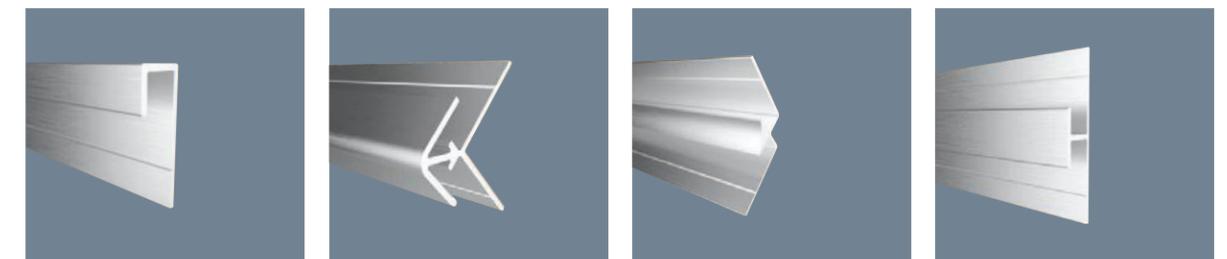
**Internal Corner**  
Used on all internal 90° corners.

**Joining Trim**  
Used to mount panels side by side.

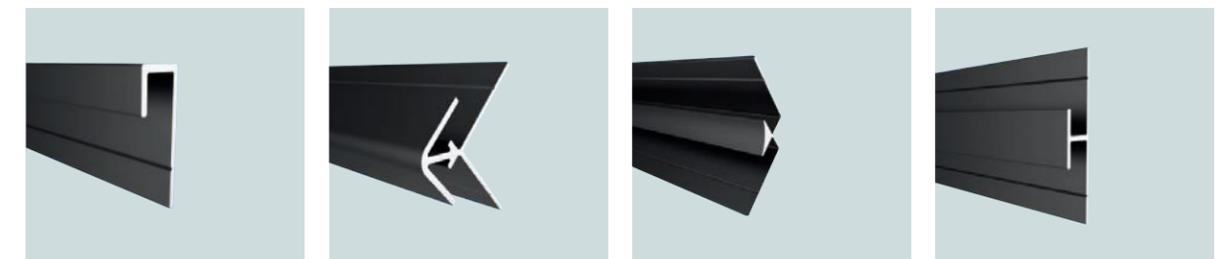
## Brushed Matt Silver



## Brushed Polished Silver



## Matt Satin Black



# FEITENG Vega Installation

## Installation Steps for FEITENG VEGA Tongue-and-Groove Panels

### 1. Dry Fit Panels

Cut panels to size as needed. Perform a dry fit by interlocking the tongue-and-groove edges of adjacent panels and placing them against the wall without adhesive. Ensure alignment and check fit around corners/obstacles.

### 2. Prepare Surface & Panels

Ensure the wall surface is clean, dry, flat, and structurally sound. Lay the FEITENG VEGA panel flat (decorative side down) on a fully supported surface. Remove the protective film from the panel back. Clean the back with an alcohol wipe.

### 3. Apply Complete Adhesive

Apply Complete adhesive generously to the back of the panel in a continuous zigzag pattern.  
Crucial: Maintain a 40mm (1.5 inch) adhesive-free perimeter around all edges of the panel.

### 4. Install First Panel

Carefully position the first panel against the wall, starting from a corner or reference line. Press firmly to ensure good contact with the adhesive. Use temporary spacers/packers at the bottom and adjacent wall (if applicable) to maintain consistent expansion gaps (typically 3-5mm, follow local guidelines).

### 5. Install Subsequent Panels (Tongue-and-Groove)

Apply adhesive to the back of the next

panel as described in Step 3 (zigzag, 40mm perimeter gap). Interlock the Panels: Align the tongue (protruding edge) of the new panel with the groove (slot) of the already installed panel. Slide into Place: Gently slide the new panel horizontally (or vertically, depending on groove direction) to fully engage the tongue-and-groove joint. Avoid forcing it. Press the new panel firmly against the wall, ensuring the interlocked joint is tight and seamless. Use packers/spacers as needed to maintain expansion gaps.

### 6. Install Corner Trims (If Applicable - Referencing Previous Methods)

Option A (One-Piece Corner): Follow the "To attach to the wall in one piece" method from the previous instructions. Fix the corner trim to the back of the panels using its double-sided tape before installing the interlocked assembly onto the wall with adhesive.  
Option B (Two-Step Corner): Follow the "To attach to the wall in two steps" method. Install the first panel with its attached trim. Apply adhesive to the second panel and slide it down into the vertical channel of the already installed corner trim from above, simultaneously interlocking its tongue-and-groove with the first panel.

Option C (Profile Trim near Corner): If using a separate edge profile trim near an exposed corner (as described in the

"special treatment" section), cut the profile trim with 45-degree miters and modify it as per Fig.

### 7. Secure Panels & Check Alignment

Ensure all panels are level, plumb, and correctly interlocked. The adhesive-free perimeter allows for minor adjustments. Maintain consistent expansion gaps using packers/spacers around all fixed edges (walls, ceiling, fixtures). Follow Complete adhesive guidelines for working time and pressure application.

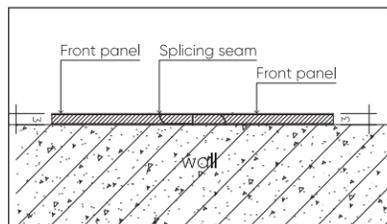
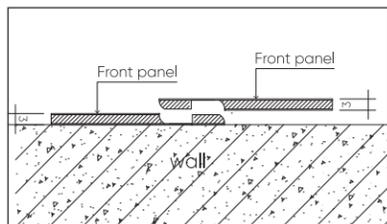
### 8. Curing & Finishing

Allow the Complete adhesive to cure fully according to the manufacturer's specifications (time varies with temperature/humidity). Do not disturb the panels during this time.

### Once cured

Carefully remove all spacers/packers. Apply Complete sealant neatly around the entire perimeter of the installation (all edges, corners, and penetrations) to seal the expansion gaps and ensure waterproofing.

NOTE: This installation method requires the use of aluminum cladding with a strict thickness of 0.3mm. Customer-opting for this solution must coordinate with our technical team in advance.



## Care and Maintenance

FEITENG panels are tested for all aspects of durability, however like most wall surfaces it is vital that panels are cared for and correctly maintained to ensure the decorative finish is retained. There are some simple guidelines to follow to keep your FEITENG panels looking great. FEITENG Kitchen Splashback are suitable and safe for use behind hobs. To avoid any possible staining over time, a glass splashback can be used over the panels behind the hob installations.

### Cleaning

- Any spills or splashes should be wiped away immediately.
- FEITENG panels must only be cleaned regularly using a gentle household cleaner.
- Splashes, oil and a build up of grime should be removed and wiped clean with a gentle household cleaner.
- Only use a soft microfibre cloth or a non-abrasive cloth.
- Do not use acidic, caustic or abrasive cleaning detergents or materials to clean the FEITENG surface.
- Do not use detergent with bleach or homemade remedy solutions like baking soda or other stain removing powders.

- For harsh stains, a melamine cleaning sponge can be used.
- Avoid placing metallic or sharp objects against your FEITENG splashback as this may pose risk of scratching.
- Ensure boiling water and steam is directed away from the FEITENG splashback as this may pose risk of damage.
- Strictly maintain water temperature below 65°C during cleaning.

Please note, this advice does not supersede that given by your appliance manufacturer and you must always follow manufacturer instructions around the distance between your appliance and other items.

### Storage

Before installation your FEITENG Waterproof/Fireproof Panel should be stored for 24 hours at normal room temperature (18°C - 25°C, relative humidity 50-65%).