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Forma® Click - Composite Cladding for Grad®

May 2026 V2

Installation Guide



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INTRODUCTION

This document provides installation guidance for Forma Click composite cladding used with the Grad rail and clip system. It is intended for professional installers, contractors, and competent DIYers with joinery experience. Installers must follow local building regulations and project-specific design requirements.

Forma Click is Ecoscape UK's rapid-install composite cladding system, designed to work seamlessly with Grad rails. Grad aluminium rails form the substructure, and their factory-fitted clips provide concealed fixing to the rear of the Forma Click composite boards. This system delivers precise alignment, fast installation, and a clean finish.

This combination of aluminium rails and high-quality composite boards provides exceptionally low maintenance, long-term durability, and premium contemporary aesthetics, making it ideal for residential and commercial façade applications.



COLOURS:

Ecoscape Forma Click Composite Cladding is available in 5 colours.



SILVER BIRCH



NATURAL OAK



DARK OAK



ARGENT



CHARRED WOOD

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BOARD SIZES:



SMALL

20mm x 45mm x 2500/3600mm



MEDIUM

20mm x 64mm x 2500/3600mm



LARGE

20mm x 119mm x 2500/3600mm

RAIL SIZES:



SMALL GRAD RAIL

12mm x 55mm x 1989mm with consistent 51mm clip spacing, for 39 small boards per rail



MEDIUM GRAD RAIL

12mm x 55mm x 2001mm with consistent 69mm clip spacing for 29 medium boards per rail



LARGE GRAD RAIL

12mm x 55mm x 1984mm with alternating 68mm and 56mm clip spacing, for 16 large boards per rail



COMBI GRAD RAIL

12mm x 55mm x 1969mm, clip spacing varies to create a collated mixed board pattern of 8 small, 8 medium and 8 large boards per rail

CLADDING STYLES:



SMALL BOARD & RAILS

All small boards - 45mm wide boards with 6mm shadow gaps, 39 boards per rail.



MEDIUM BOARD & RAILS

All medium boards - 64mm wide boards with 5mm shadow gaps, 29 boards per rail.



LARGE BOARD & RAILS

All large boards - 119mm wide boards with 5mm shadow gaps, 16 boards per rail.

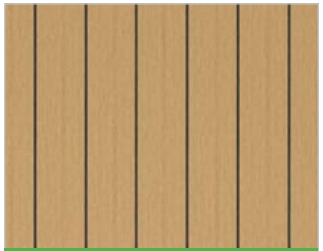


MIXED BOARD & COMBI RAILS

Mixed boards in the following sequence: M, S, L, S, L, M, S, L, S, M, L, M, M, L, M, S, L, S, M, L, S, L, S, M, M, with 6mm shadow gaps, total 24 boards per rail, 8 of each size.

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ORIENTATION:

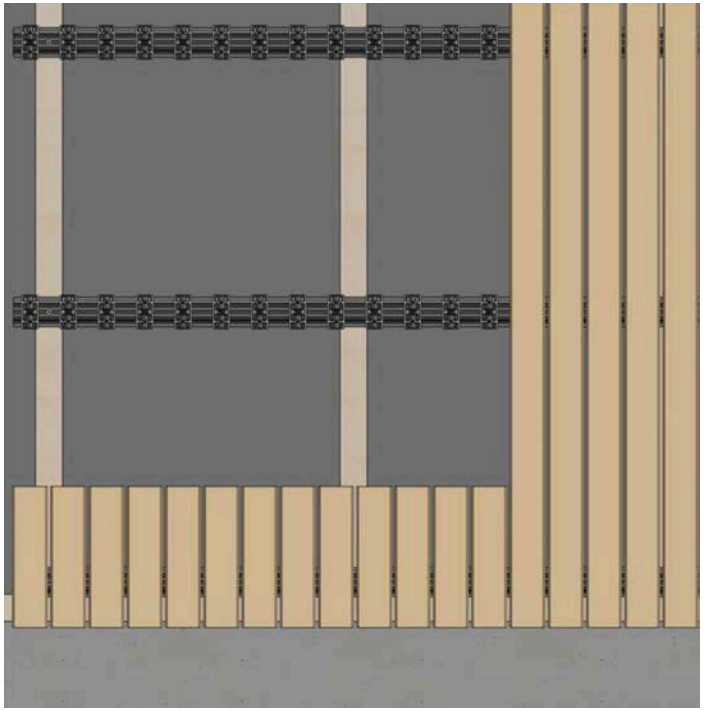






Forma Click cladding can be installed vertically, horizontally or diagonally.

Note: with the exception of when Grad angle clips are used, the Grad rails are installed perpendicular to the cladding boards. i.e. for vertical cladding, the rails will be placed horizontally.



Vertical cladding

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SAFETY & USE

Before installing any composite system, we recommend consulting local building regulations to determine any special requirements or restrictions that may apply. The illustrations and accompanying instructions in this guide are for illustrative purposes only and do not replace the advice of a licensed professional in the field. The installer is responsible for assessing the application and ensuring the product is suitable, as each installation is unique.

Safety

- Personal Protective Equipment (PPE) should be worn at all times during installation (COSHH Assessment summary available). When cutting and installing boards it is advised to wear gloves, protective eyewear, suitable respiratory protection, long sleeves and trousers.
- Dry and windy environments may result in a naturally occurring static build-up in composite products. The level of static build-up will not cause personal injury.
- All composite cladding boards MUST be installed on a substructure to allow adequate air flow behind - this prevents any excessive water absorption. Boards cannot be laid directly onto a flat surface.
  A minimum of 25mm clearance behind the cladding should be provided to allow adequate drainage and drying.
- Excessive heat may be felt on the surface of the composite cladding products from external sources such as reflection of sunlight from Low-E glass. This may cause an unusual heat build-up on any exterior surfaces. Excessive heat exposure may cause: boards to sag or warp, expansion/ contraction at increased levels, accelerated weathering, and in extreme circumstances melt the board surface.

  Note: A rise to such adverse levels is deemed extremely unlikely in the UK due to the stable climate.

Use

- Standard woodworking tools can be used to install our composite products. When using a chop saw, we recommend a 60T+, 80T+, or 100T+ multipurpose aluminium blade for maximum efficiency and neatness on cuts.
- Plan a layout for your cladding before starting to ensure the best looking layout is achieved. Pay particular attention to interfaces with doors, windows and soffits in order to determine the optimal starting position for the first boards.
- Forma Click Composite Cladding boards and rails are not intended for use as columns, support posts, beams, joist stringers or other primary load-bearing members.
- Boards must be used in conjunction with Grad aluminium rails supplied by Ecoscape. The rails can be placed either directly on a wall, studs, concrete, or any hard and flat surface, with the fixings.
- It is the user's duty to verify they have the right rails to match the boards they want to use and to make sure the rails they intend to use meet all their requirements.
- Boards CANNOT be installed onto existing cladding boards.
- Use white chalk, straight boards or string lines as templates. NEVER use coloured chalk on the boards as this can cause permanent staining.
- Installers must make sure that there are flashing and weather barriers, that they are installed in compliance with local building regulations, and in line with manufacturer instructions, especially in the following locations:
  - Openings (doors and windows)
  - Wall/ceiling junction
  - Chimney
  - Transition between another type of cladding surface
- A full range of recommended accessories is available from Ecoscape UK Ltd.
- Please consult with the technical department for further advice.

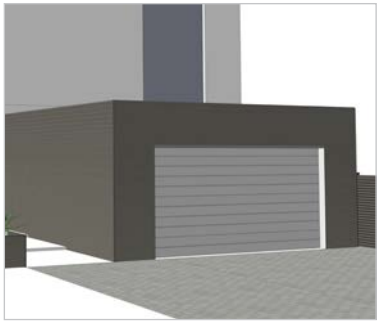
APPLICATION

Ecoscape Forma Click Cladding is a versatile façade solution suitable for a wide range of residential and commercial applications. Typical uses include external wall cladding for homes, commercial buildings and garden rooms, as well as decorative feature walls, screening elements, and the cladding of garden walls and outdoor structures.

Please note that the Forma Click system is designed primarily for single-sided visual applications. It is not intended for installations where both sides of the system will remain visible, such as fencing or freestanding dividing walls. Where a double-sided finish is required, we recommend considering alternative Ecoscape systems better suited to this type of application.

For further guidance on suitable applications, please contact the Ecoscape technical team or visit our website.

This installation manual demonstrates the recommended installation methods for fitting Ecoscape Forma Click Cladding onto a building façade.



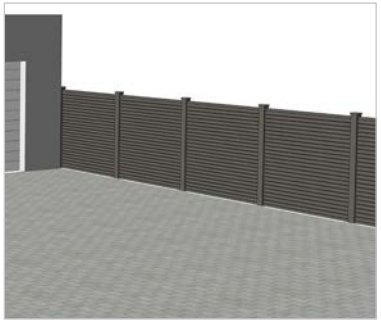
Facade System

Fixed to a block wall or similar.



Screening System

Fixed to a timber frame structure, creating a screen or planter.



Fencing System

Cladding can be used for fencing, but a more cost effective method is to use the Ecoscape Composite Fencing range. Please see **www.ecoscape.co.uk**

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STORAGE & HANDLING

Whilst Forma Click composite boards and aluminium Grad rails are highly durable we do recommend you follow the below guidelines for storage, handling and installation, to ensure products are kept in the best possible condition.

Storage & Handling

- Store all materials under cover, avoiding long sun exposure and keeping all products clean and dry at all times to prevent surface contamination until ready to install.
- Store all composite cladding products & Grad rails:
  - Flat and off the ground
  - Fully supported at maximum 500mm centres
  - With supporting battens vertically aligned through the full height of the stack to ensure even load transfer and prevent distortion
  - Do not store objects on top of the boards to prevent distortion
- Stack cladding panels and Grad rails face-to-face, directly on top of each other.
- Do not lean panels, stand them on edge, or store them at an angle.
- Leave all packaging straps in place until the materials are ready to be unpacked and used to maintain stack stability during storage and handling.
- Take care when unstacking and handling:
  - Maintain stack stability at all times
  - Remove boards individually and in a controlled manner, place each board down carefully to avoid damage
  - Prevent boards from slipping or falling to avoid product damage or personal injury
- Cladding boards should be carried in the middle and on their edge for best support when moving.
- Where multiple pallets are delivered, do not stack pallets higher than a maximum height of 3m
- Failure to store or handle materials in accordance with these guidelines may result in product deformation, damage, or safety risks
- During installation:
  - Take care to ensure the cladding boards are kept clean, free of construction debris and materials to prevent damaging the boards
  - Avoid sliding or dragging any equipment across the board surface to avoid tarnishing the surface
- Ecoscape UK accepts no responsibility for issues arising from incorrect storage or handling.

TOOLS

Recommended tools to install Ecoscape's Forma Click Cladding

Standard woodworking tools can be used when working with Ecoscape products. If you are unsure on how to use any tool, please consult the tool manufacturer's user manual.

- Circular Saw - we recommend a 60T+ aluminium/laminate multipurpose blade to achieve the cleanest cuts.
- Mitre Saw - extremely useful
- Jig Saw
- Hand Drill
- Rubber Mallet
- 3mm and countersink drill bits (SmartBit countersink tool available from Ecoscape)
- Tape Measure
- Set Square
- Stringline
- Laser level / Spirit Level
- Protective eye wear and relevant Personal Protection Equipment (PPE)
- Pencil

CALCULATING MATERIAL

To accurately determine the quantity of Forma Click cladding required, best practice is to produce detailed elevations and generate a full take-off schedule. Where this is not available, the method below will generally provide a reliable approximation.

Alternatively, contact our technical team at technical@ecoscape.co.uk for project-specific support.

To estimate the amount of Forma Click cladding required, first measure the total wall area in square metres (m²).

For example: 4m high × 10m wide = 40m² or 2m high × 31m wide = 62m²

Then use the table opposite to calculate the approximate number of boards and Grad rails required.

Example 1:

40m² using 3.6m Small Boards

Boards: 40 × 5.45 = 218 boards

Rails: 40 × 1 = 40 rails

Example 2:

62m² using 2.5m Large Boards

Boards: 62 × 3.23 = 201 boards

Rails: 62 × 1 = 62 rails

Example 3:

40m² using 3.6m Boards and Combi Grad Rails

Boards: 40 × 3.42 = 136.8 total boards required

Divide equally across all three board sizes:

136.8 ÷ 3 = 45.6 and round up to:

46 Small Boards

46 Medium Boards

46 Large Boards

Rails: 40 × 1 = 40 Combi Grad Rails



Type	Length (m)	Boards per m²	Rails per m²
Small	2.5	7.84	1
	3.6	5.45	1
Medium	2.5	5.8	1
	3.6	4.03	1
Large	2.5	3.23	1
	3.6	2.24	1
Combi	2.5	4.92	1
	3.6	3.42	1

Important Note:

We always recommend allowing an additional 3%–4% for wastage. However, when using this approximate calculation method, we recommend increasing the allowance to 6%–10% to account for cutting, trimming, and installation variations.

SYSTEM COMPONENTS:

In addition to the boards and rails depicted on page 4 there are other components to the Forma Click and Grad rail system. Please ensure you are familiar with all the components prior to starting.


Grad Rail Connector


Grad Clip Grip


Grad Starter Brackets


Grad Half Clip


Grad Angle Clip


Grad Sliding Clip


Grad Replacement Clip


Grad Clip Removal Tool


Grad Rubber Strip


Grad Aluminium Corner Trim


Grad Aluminium End Trim


Grad Aluminium Drip Trim


Grad Mounting Bracket for Corner Trims


Grad Mounting Bracket for End Trims

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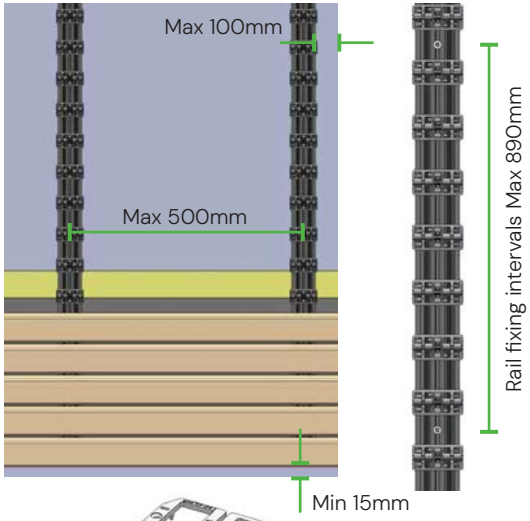
PRE INSTALLATION NOTES

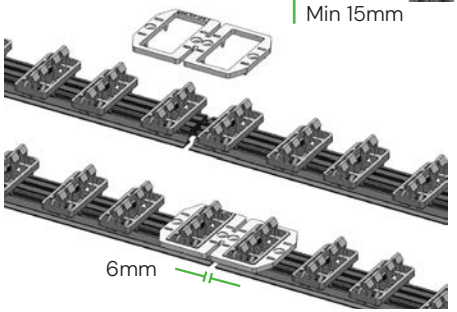
PROTECT THE WALL

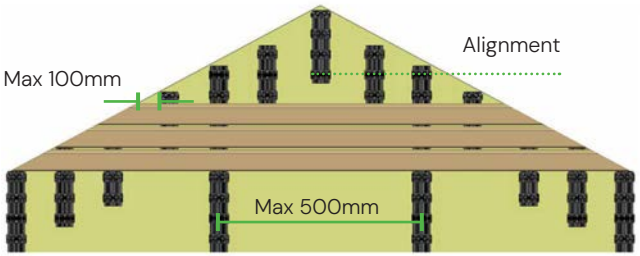
- Before starting the installation of the cladding, the wall must be protected with anti-UV waterproof membrane which is resistant to water penetration W1 when new and after weathering (5000 hour UV test - EN 13859-2).

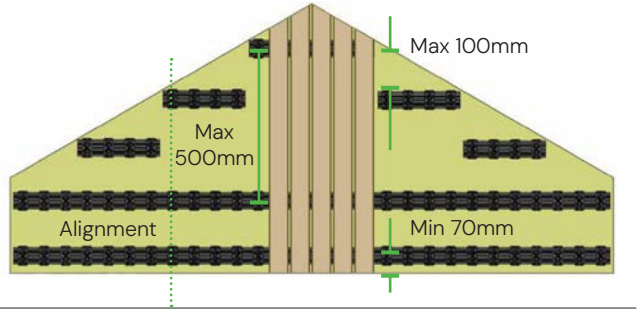
SPACING OF BOARDS & RAILS

- Due to the natural expansion and contraction of the composite material with changes in ambient temperature and humidity, cladding boards should be installed with an expansion gap between adjoining boards. Refer to table on page 23 for distances. *As an example; If installing whole length cladding boards (3600mm long), and the air temperature at time of install is 20°C, the expansion gap should be 4.4mm between adjoining boards.*
- A minimum 15mm gap should be provided between the lowest cladding board edge and the ground.
- Boards must always be fitted using the appropriate Grad aluminium rail to ensure correct shadow gapping and maintain the correct space between the rear face of the cladding and the outer surface of the structure.
- Grad rails should be no more than 500mm from centre to centre, with the first and end rails no more than 100mm from the outside edge of the wall/surface
- The Grad aluminium rails should be joined using the correctly sized Grad rail connector. Allowing a 6mm gap between the two rails being joined to allow for expansion and contraction.
- All rails should be parallel to the first rail ensuring that all of the clips of each rail are properly aligned.
- Grad rails require fixing at intervals of 890mm maximum, for exposed high wind location additional fixing may be required refer to the Grad rail datasheet.
- Extra care is required to ensure sufficient rails are provided around windows, fascias, soffits, guttering, ventilation points and corners of walls. These locations should be planned and co-ordinated with the cladding system to ensure alignment with the composite fascias and trims.
- A double rail arrangement will be required at mid-panel joints and at corners to allow the joint trims to be seated and fixed to both joists. Consider expansion and contraction as shown on page 23.
- The maximum length allowed between the outermost rail and the edge of a board is 100mm. When covering an angle top rafter, pieces of the rails must be cut and installed between the main rails to provide additional support. When installing the additional support rails, ensure that the clips are aligned with the clips on the other rails.









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INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 1

Prepare the wall surface

Ensure the wall is in suitable condition for the system to be fixed onto. Ecoscape can take no responsibility for inadequately constructed walls.

Line the wall with an anti-UV waterproof membrane barrier. Resistance to water penetration W1 when new and after weathering (5000 hour UV test - EN 13859-2). For specifications please contact your architect or contractor.



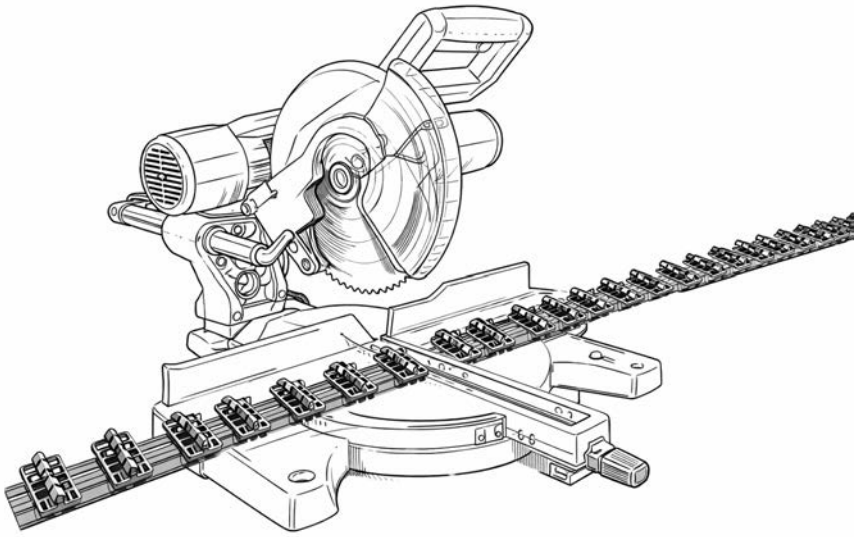
STEP 2

Cut and prepare the rails

When possible, use full length rails. However, rails may need to be cut if the wall height is not 2 metres.

Measure the height of the wall, taking into account that the minimum and maximum rails positioning shown on page 12.

Cut the rails to match the wall to be covered. When possible, cut between two clips. However, if there is a clip where the cut needs to be, remove the clip using the disassembly keys and replace it with a half clip from the accessories range.





INSTALLATION - FORMA CLICK & GRAD RAILS

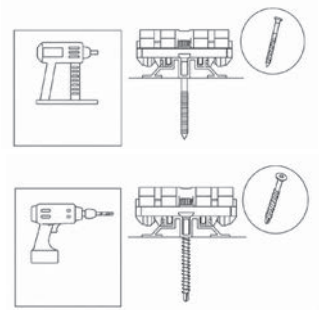
STEP 3

Install the Grad rails

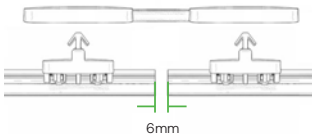
Positioning

- Position the Grad rails in the correct orientation for the required cladding layout, ensuring the rails run perpendicular to the finished cladding direction.
- Rails must be installed parallel to each other and accurately aligned. We recommend the use of a laser level to ensure the rails are straight and that all Grad clips align correctly.
- Take additional care when aligning Grad Large Rails and Grad Combi Rails, as their clip spacing patterns differ and must remain consistent across the installation.

Fixing the rails



- Grad rails may be fixed directly to:
  - Masonry or concrete walls
  - Timber or metal stud framing
  - Any suitable flat, structurally sound substrate
- Secure the rails using corrosion-resistant stainless-steel fixings, for example:
  - 5 × 50 mm self-drilling stainless-steel screws installed with a drill/driver, or
  - 4 × 50 mm stainless-steel nails installed using a suitable nail gun.
- The maximum spacing between fixings must not exceed 890 mm.
- A 6mm expansion gap must be maintained between adjoining rails to allow for thermal movement. Additionally, we recommend using a Grad rail connector from the accessory range to help maintain correct clip alignment across the joint. Alternatively, a short additional section of rail can be used to maintain alignment and ensure consistent board fixing.

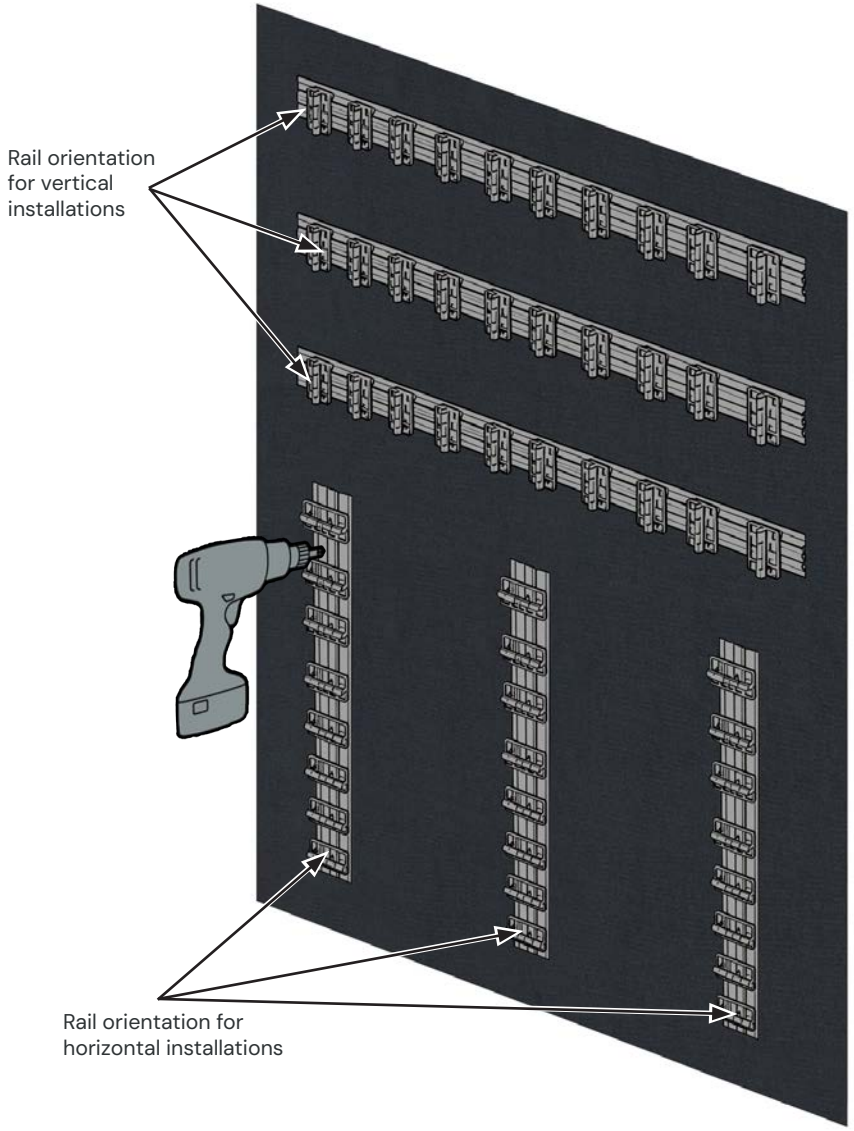


Uneven substrates

- Where the wall surface has minor irregularities (≤ 3 mm), apply Grad tape to the rear of each rail prior to fixing.
- The compressible foam layer helps compensate for small surface variations and improves rail seating.

Ground clearance

- Maintaining a minimum 15mm clearance to ensure durability, drainage, and long-term performance.



INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 4

Grad Starter Brackets and Grad Clip Grips

For vertical cladding installations, the use of Grad starter brackets is essential to provide initial support for the cladding boards.

Before installing any boards, position a Grad starter bracket over each Grad clip where initial board support is required.

Starter brackets may also be required for:

- Diagonal cladding layouts
- Certain horizontal installations where additional restraint is needed to eliminate unwanted board movement

In addition to starter brackets, Grad clip grips must be used to restrain board movement.

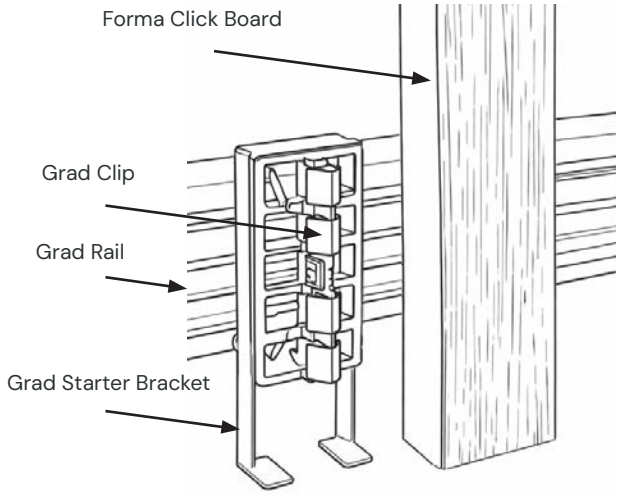
To install a Grad clip grip:

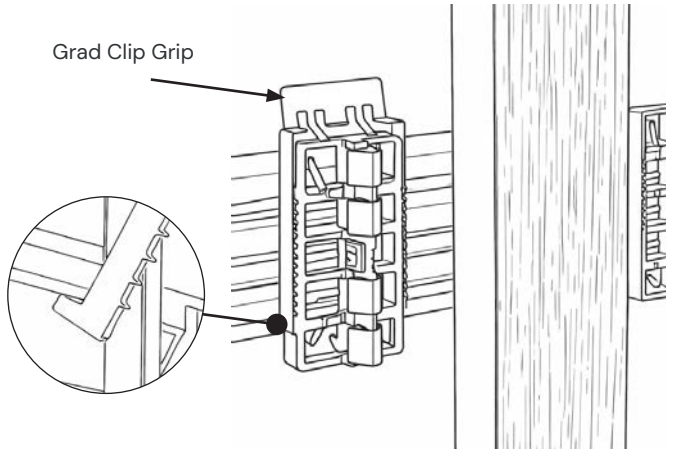
- Install a Grad clip grip at the opposite end of a board to the Grad starter bracket
- Hook the lower edge of the clip grip onto the Grad rail on either side of the Grad clip
- Lever the clip grip over the Grad clip until it is fully engaged and secure

Recommended minimum quantity of Grad clip grips:

- Small and medium boards: minimum of one clip grip per board
- Large boards: minimum of two clip grips per board
- Install additional clip grips at intervals of 1780mm along each board or whenever required for stability.

Note: Correct use of starter brackets and clip grips is critical to prevent board movement, particularly in vertical or angled installations.





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INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 5

Attaching the composite cladding boards

On the back of the Forma Click cladding boards there is a mounting groove designed to engage directly with the barbed bayonet fixing points of the Grad clips.

Align the board grooves with the corresponding Grad clips and apply moderate, even pressure until the board securely clicks into position.

A rubber mallet or similar non-marking tool may be used to gently tap the board into place where required. **Do not force boards into place.**

If the board does not engage correctly:

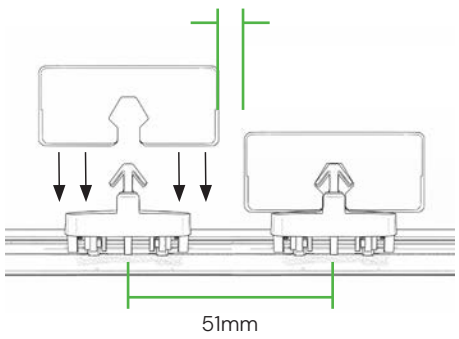
- Check that the Grad clips are correctly aligned and fully seated
- Confirm the rail position is accurate and reposition if necessary
- Ensure debris or obstruction is not preventing engagement

Always verify that the correct combination of boards and Grad rails is being used.

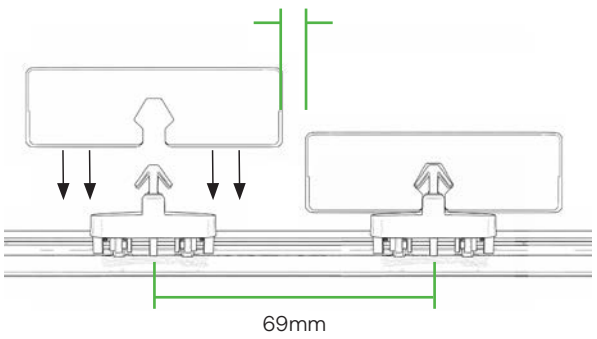
- When installing onto Grad Large Rails or Combi Rails, ensure each board is aligned with the appropriate clip position for that board size.

When using Grad Combi Rails, installation is typically easiest when completed in the following sequence: Install all large boards first, follow with medium boards and finish with small boards. This sequence helps ensure correct clip alignment and achieves the intended coordinated random façade pattern of the Combi Rail system.

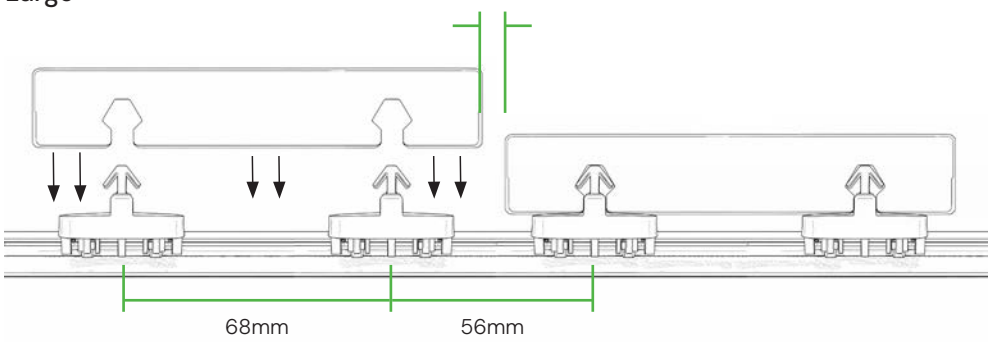
Small



Medium



Large



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INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 6a

Corner Details

Corner profiles for horizontal cladding installations

- Forma Click cladding can be installed without corner trims, creating an exceptionally clean and minimalist appearance.
- Internal corners are formed by overlapping adjacent cladding boards and using the natural shadow gap to define the corner, as shown in the opposite diagram.
- External corners can be created by forming a seamless transition using 45° mitre cuts where two boards meet, allowing board lines to continue around the corner without visual interruption.

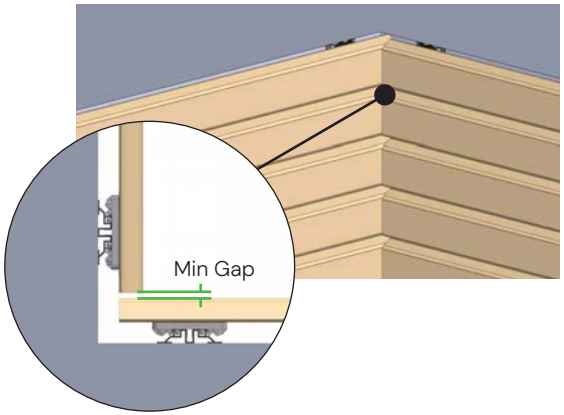
Corner profiles for vertical cladding installations

- Forma Click cladding may also be installed without corner trims to maintain a clean, minimalist façade.
- Both internal and external corners can be formed by overlapping cladding boards and utilising the natural shadow gap to visually define the corner, as illustrated in the opposite diagram.

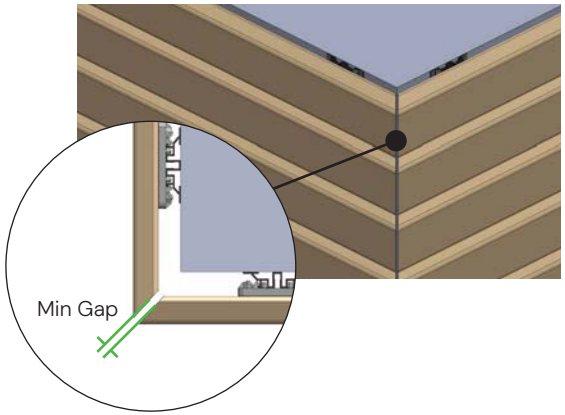
Important:

The minimum expansion gap must always be maintained:
Between boards, and between boards and trims. Adequate spacing is required to allow for thermal movement and ensure long-term performance, See table on page 23.

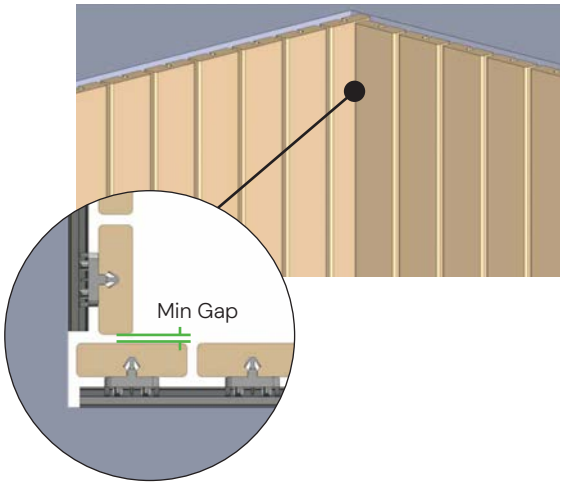
Horizontal Cladding Internal Corner



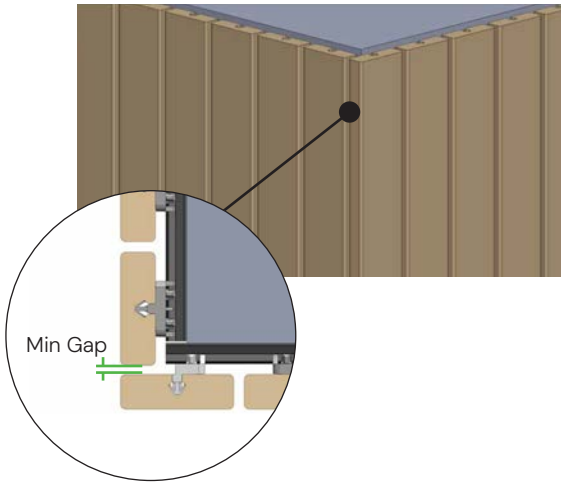
Horizontal Cladding External Corner



Vertical Cladding Internal Corner



Vertical Cladding External Corner



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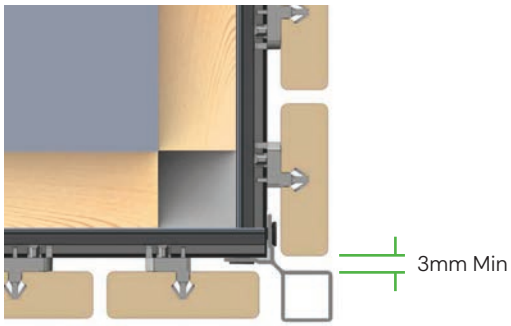
INSTALLATION - FORMA CLICK & GRAD RAILS

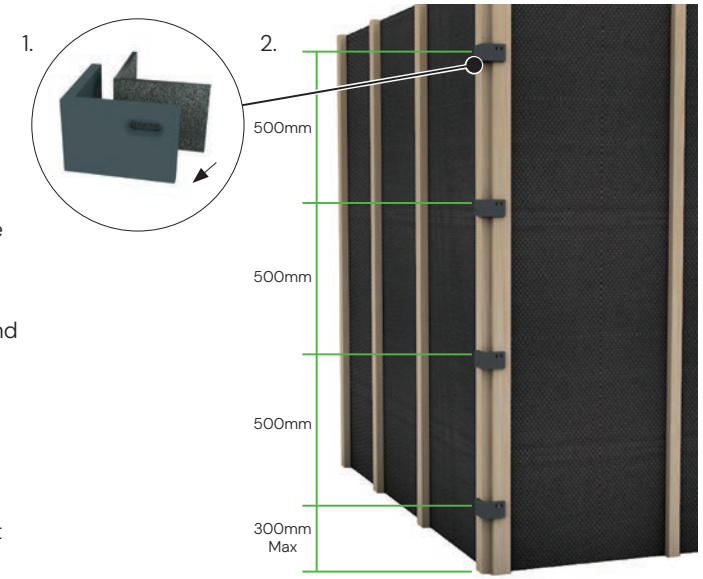
STEP 6b

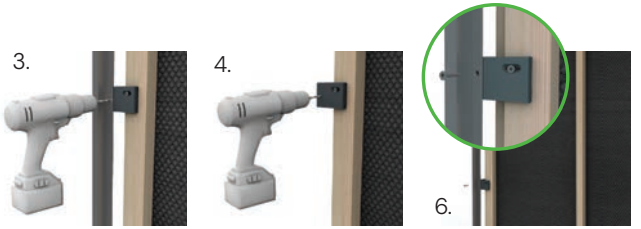
Installing the Grad Aluminium Corner Trim

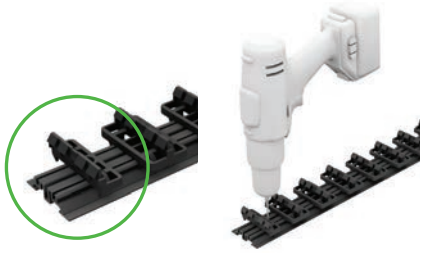
1. Fit the corner trim mounting brackets with a piece of Grad rubber strip.
2. Place the first mounting bracket no more than 300mm from the ground, then every 500mm. Do not over tighten the brackets to the substrate.
3. Position the Grad aluminium corner trim against the brackets and drill a ø3mm pilot hole sufficient to mark the mounting bracket position.
4. Remove the corner trim and finish pre-drilling the mounting brackets.
5. Position and fit the Grad rails as per page 14. Ensuring that you replace the final clip of each rail with a Grad Half Clip to prevent a collision between the clip and the corner trim. For vertical cladding ensure you stagger the rails on each side of the corner wall as shown in the diagram.
6. Reposition the corner trim and secure it to the mounting brackets with the appropriate screws.

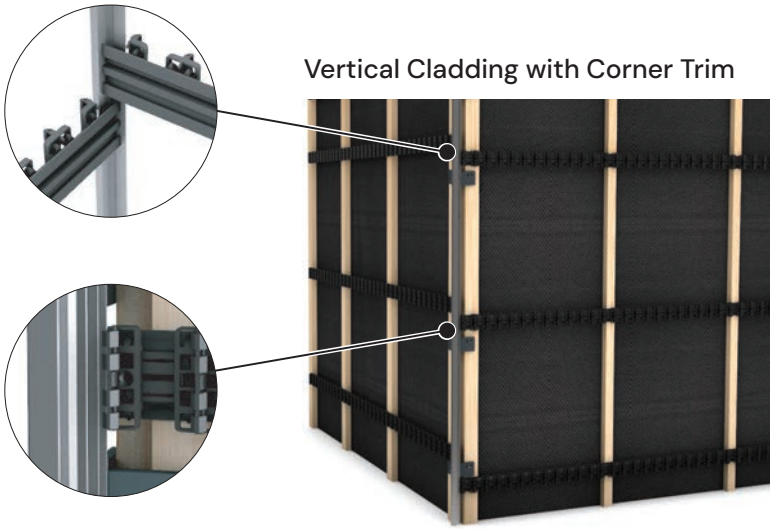
   Once the Grad Rails and Corner Trim have been fitted, attach the cladding boards as per page 16.



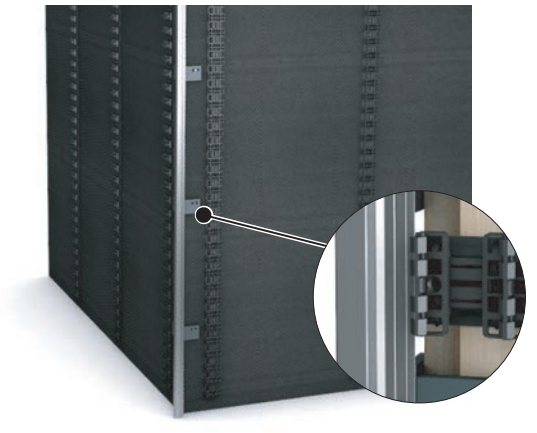








Vertical Cladding with Corner Trim



Horizontal Cladding with Corner Trim

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INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 7

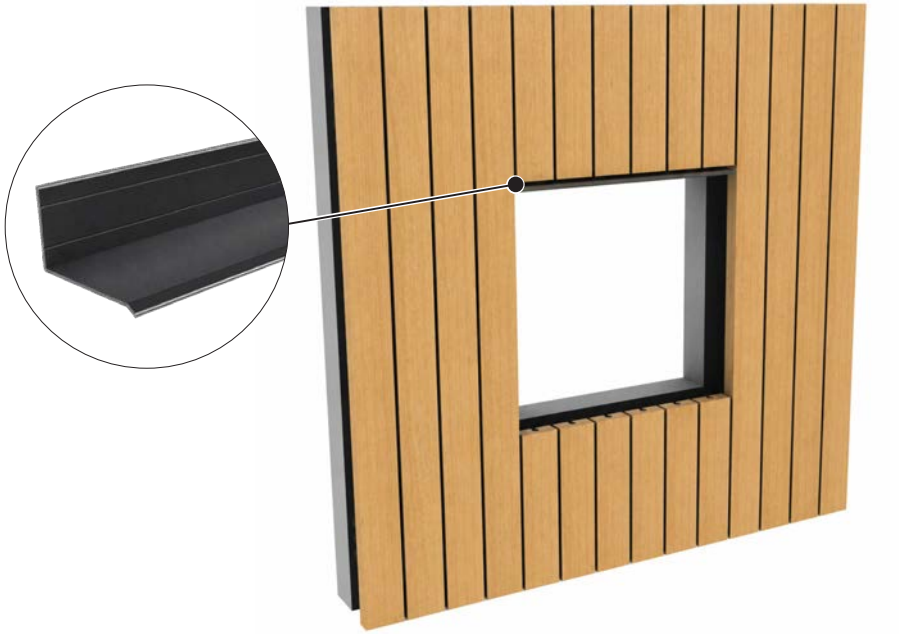
Installing the Grad Aluminium Drip Trim

We recommend that all openings within the cladding system, such as windows, doors, and other penetrations, are protected using the Grad Aluminium Drip Trim.

The drip trim is designed to project water away from the building façade, helping to reduce the risk of water ingress behind the cladding system while also providing a clean and professional finishing detail.

Correct installation of flashings, membranes, trims, and weather barriers remains the responsibility of the installer and must comply with local building regulations and project-specific design requirements.

1. Before installing the surrounding cladding, position the Grad Aluminium Drip Trim above the window, door, or opening using a spirit level to ensure accurate alignment.
2. Secure the trim to the substrate using suitable corrosion-resistant fixings appropriate for the wall construction.
3. Ensure the drip trim is installed with the sloped face angled away from the structure to encourage water runoff away from the façade.
4. Install all waterproof membranes, flashings, cavity barriers, and weatherproofing materials in accordance with manufacturer guidance and local building regulations.
5. Where membranes or vapour barriers are penetrated, apply Ecoscape waterproof cladding tape or a suitable external-grade sealant to maintain weather resistance.
6. Once the trim has been installed, continue fitting the Grad rails and Forma Click cladding boards as detailed on pages 14–16.





INSTALLATION - FORMA CLICK & GRAD RAILS

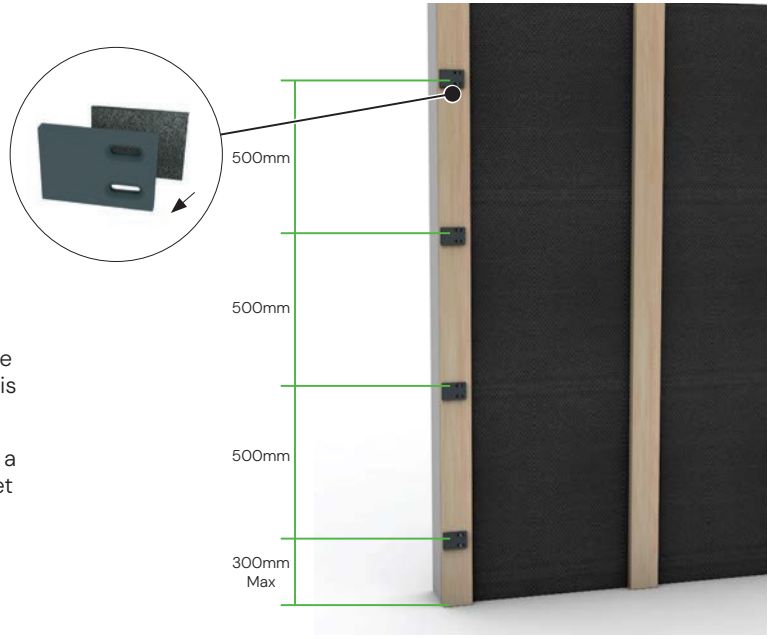
STEP 8

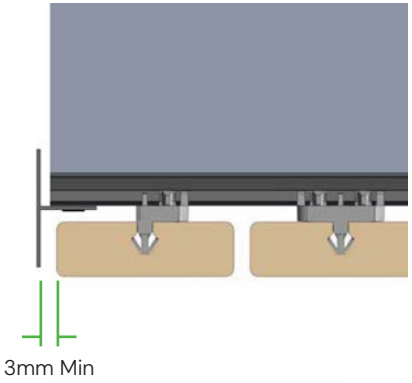
Installing the Grad Aluminium End Trim

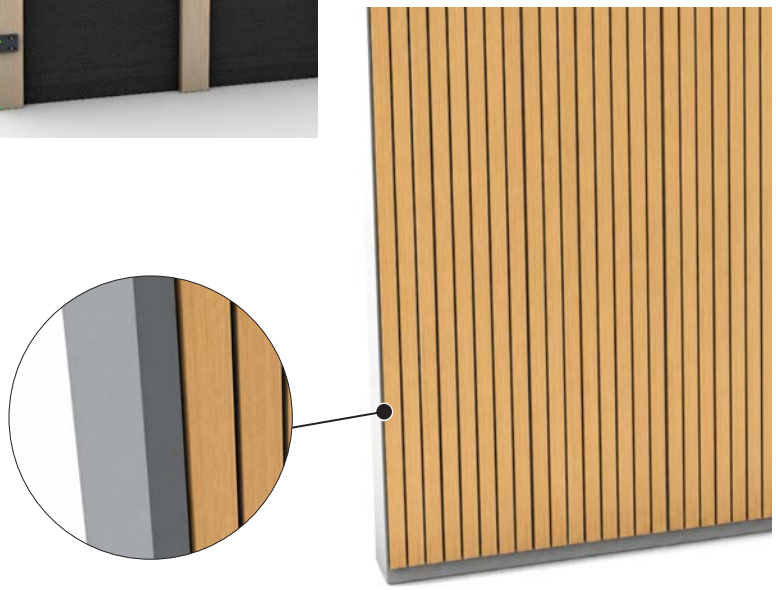
The Grad Aluminium End Trim provides a clean and professional finish to exposed cladding edges while concealing cut board ends and maintaining consistent shadow gaps.

1. Fit each Grad mounting bracket with a section of Grad rubber strip to help isolate the trim from the substrate and improve alignment.
2. Install the first mounting bracket no more than 300mm above ground level, then continue at maximum 500mm centres vertically. Ensure all brackets are level and correctly aligned before fixing. Do not overtighten the fixings, as this may distort the brackets or affect trim alignment.
3. Position the Grad Aluminium End Trim against the mounting brackets. Using a ø3mm drill bit, drill pilot holes through the trim sufficient to mark the bracket fixing positions.
4. Remove the end trim and complete pre-drilling of the mounting brackets. Remove any swarf or debris before final installation.
5. Install the Grad rails as detailed on page 14. Where rails terminate against the end trim, replace the final Grad clip on each rail with a Grad Half Clip to prevent interference between the clip and the trim. Ensure all rails remain correctly aligned and parallel throughout the installation.
6. Reposition the Grad Aluminium End Trim and secure it to the mounting brackets using appropriate corrosion-resistant fixings. Ensure the trim remains straight and aligned before fully tightening all fixings.
7. Once the Grad rails and end trim have been fully installed, attach the Forma Click cladding boards as detailed on page 16. Ensure the appropriate expansion gap is maintained between the boards and the trim in accordance with the Expansion Gap Table on page 23.

Important Note: Expansion gaps must always be maintained to allow for thermal movement. Ensure trims do not obstruct drainage or ventilation behind the cladding system.







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INSTALLATION - FORMA CLICK & GRAD RAILS

STEP 9

Board removal process

Forma Click boards can be removed together with the Grad clips from the Grad rail using the two-piece Grad clip removal tool.

Removing the board and clips from the rail

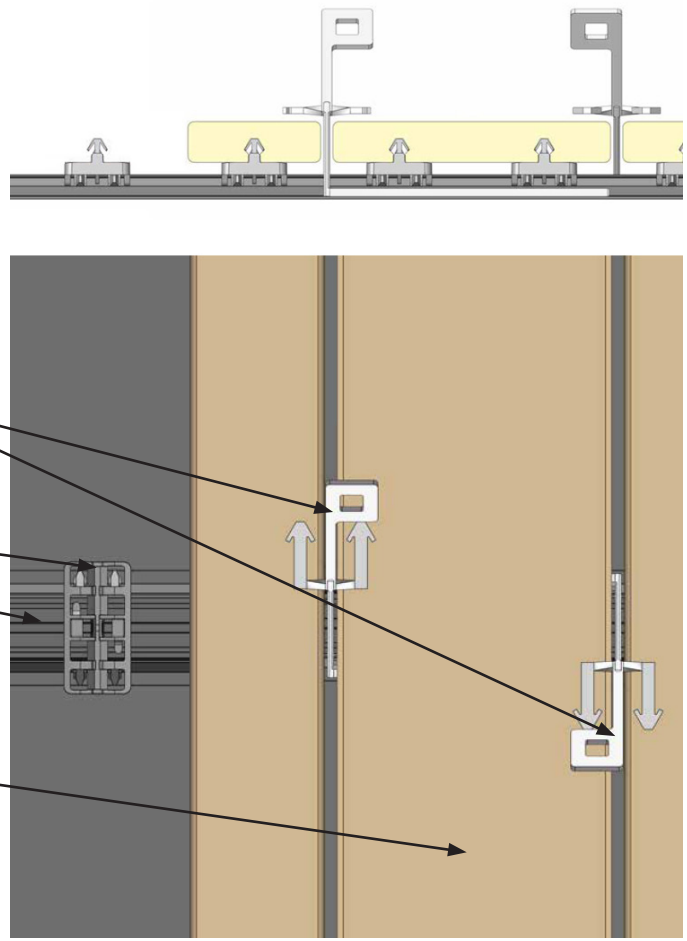
- Insert the L-shaped levers of the removal tool down either side of the board to be removed.
- Rotate the levers so they sit parallel on either side of the Grad rail.
- Pull the levers together until they are firmly positioned against the Grad rail.
- Using a controlled pivoting action, lever the Grad clip away from the rail until it releases.
- Repeat this process at each clip position along the board until all clips have disengaged from the rail.
- Lift the board clear once all clips are released.

Removing and refitting clips

- Grad clips can be removed from the board by sliding them along the rear mounting groove and off the end of the board.
- Clips may then be reinstalled onto the Grad rail, ensuring the location pins on the rear of each clip align with the corresponding fixing holes in the Grad rail before pressing fully into place.

Important:

- Always use the correct Grad removal tool and apply controlled, even force to avoid damage to boards, clips, or rails.
- Do not attempt removal using inappropriate tools or excessive force.



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CLEANING & CARE

Ecoscape Forma Click Composite Cladding is designed to provide a durable, low-maintenance façade finish. However, periodic cleaning is recommended to maintain the appearance of the cladding and prevent the build-up of dirt, airborne contaminants, algae, and general environmental debris.

The frequency of cleaning required will depend on the installation environment and exposure conditions. Areas exposed to heavy pollution, coastal conditions, vegetation, or high moisture levels may require more regular maintenance.



General Cleaning

We recommend cleaning the cladding once or twice per year using one of the following methods:

- Pressure Washing
  - Use a pressure washer fitted with a fan-type spray nozzle.
  - Maintain a minimum distance of 200mm from the cladding surface.
  - Always clean in the direction of the board length.
  - Avoid concentrating the spray in one area for prolonged periods.
- Manual Cleaning
  - Use warm water with a mild all-purpose cleaner.
  - Clean using a soft or medium-bristle brush or cloth.
  - Rinse thoroughly with clean water after washing.

Important:

- Do not use metal brushes, wire wool, or abrasive polishing discs.
- Avoid harsh chemical cleaners, strong solvents, or bleach-based products unless approved by Ecoscape UK. Always test on an inconspicuous area first.
- Do not use excessive pressure when jet washing, as this may damage the board surface.
- Remove construction debris, metal filings, and organic matter promptly to minimise the risk of staining.
- Periodically check the façade following severe weather conditions or nearby building works.

EXPANSION GAP TABLE

Please refer to the table opposite when installing the cladding boards to determine the gap (mm) between boards and adjacent structures.

Please note this table covers expansion and contraction values for UK and Europe.

Length (metres)

Installation Temperature (°C)	1	2.4	2.8	3	3.6	3.9	4	4.8	5.4	Gap (mm)
-10	2.4	5.9	6.7	7.2	8.8	9.4	9.6	11.7	13.0	
-5	2.2	5.4	6.2	6.6	8.1	8.6	8.8	10.7	11.9	
0	2.0	4.9	5.6	6.0	7.3	7.8	8.0	9.8	10.8	
5	1.8	4.4	5.0	5.4	6.6	7.0	7.2	8.8	9.7	
10	1.6	3.9	4.5	4.8	5.9	6.2	6.4	7.8	8.6	
15	1.4	3.4	3.9	4.2	5.1	5.5	5.6	6.8	7.6	
20	1.2	2.9	3.4	3.6	4.4	4.7	4.8	5.9	6.5	
25	1.0	2.4	2.8	3.0	3.7	3.9	4.0	4.9	5.4	
30	0.8	2.0	2.2	2.4	2.9	3.1	3.2	3.9	4.3	
35	0.6	1.5	1.7	1.8	2.2	2.3	2.4	2.9	3.2	
40	0.4	1.0	1.1	1.2	1.5	1.6	1.6	2.0	2.2	

This guide is provided for general guidance only and reflects information available at the time of publication. Users must ensure they are referring to the latest version, available at www.ecoscape.co.uk, and that all work complies with current building regulations, relevant standards, and project-specific requirements. Where necessary, advice should be sought from a suitably qualified professional. Ecoscape®, Ecoscape UK®, and Forma® are registered trademarks or trading names of Ecoscape UK, and Grad® is a registered trademark or trading name of Grad; all intellectual property remains with the respective owners. Ecoscape UK accepts no liability for loss, damage, or failure arising from incorrect installation, misuse, deviation from current guidance, or the use of non-approved components.

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