SLEEK
WALLS

INSTALLATION GUIDE

Large Format Mineral Core Wall Panels

Panel Size: 2400mm x 600mm

Large Format Mineral Core Wall Panel Installation Guide

PRODUCT OVERVIEW



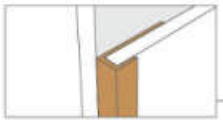
3 End Cap

- At top edges of the panel system.
- Protects the panel core and aids in moisture management.



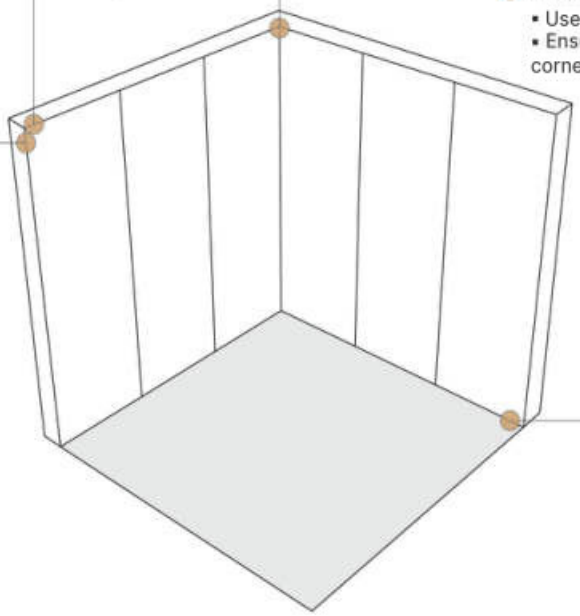
1 Internal Corner Trim

- Used on all internal 90° corners.
- Ensures a smooth transition at internal corners, preventing dust or damage.



4 End Cap

- At the exposed ends of the panel system.
- Finishing end trim for panels.





2 Starter Strip

- At the base of the wall.
- It guides and secures the first row of panels, ensuring they start level and straight, and provides the first interlock.

The Sleek Walls Large Format Mineral Core Wall Panel (2400 × 600 mm) creates a seamless, monolithic aesthetic that dramatically enhances the sense of space.

Seamless & Durable Wall System

1·Perfectly Smooth Surface
Ultra-precise locking mechanism eliminates visible gaps for a continuous, unbroken wall appearance.

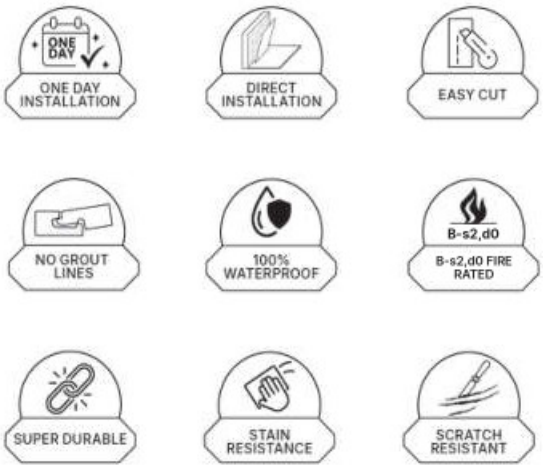
2·Fast & Easy Installation
A standard room can be completed in hours by a competent installer with standard tools.

3·Waterproof & Moisture-Resistant
Integrated silicone-groove locking prevents moisture penetration, making it suitable for wet areas such as bathrooms when sealed as described in section 2.5.

4·Design Flexibility
Compatible with cross-layout (4-panel intersection) installation and includes matching profiles for a fully integrated finish.

5·Ideal for Quick Renovation
Lightweight and flexible panels can be installed directly over existing walls without removing old coverings.

6·Low Maintenance & Clean
Stain-resistant surface is easy to clean with minimal upkeep.



B-s2,d0 to EN 13501-1 applies to the SGS-tested configuration (panel bonded to fibre-cement substrate, without joints).

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AREAS OF APPLICATION

1. Suitable Areas

In residential spaces, for example

Hallways and entrances;

Kitchens (the product can be used near induction cooktops but is not suitable for use near gas stoves);

Staircases and passageways;

Living rooms and other rooms;

Bathrooms and toilets (tip: the product is suitable for use in shower enclosures and around bathtubs);

Commercial Spaces, for example:

- Offices & conference rooms;
- Hotel rooms;
- Corridors, staircases & passageways;
- Bars & restaurants;
- Changing rooms & backrooms.

2. Not Suitable Areas

× Outdoors, such as on balconies or verandas;

× In winter gardens;

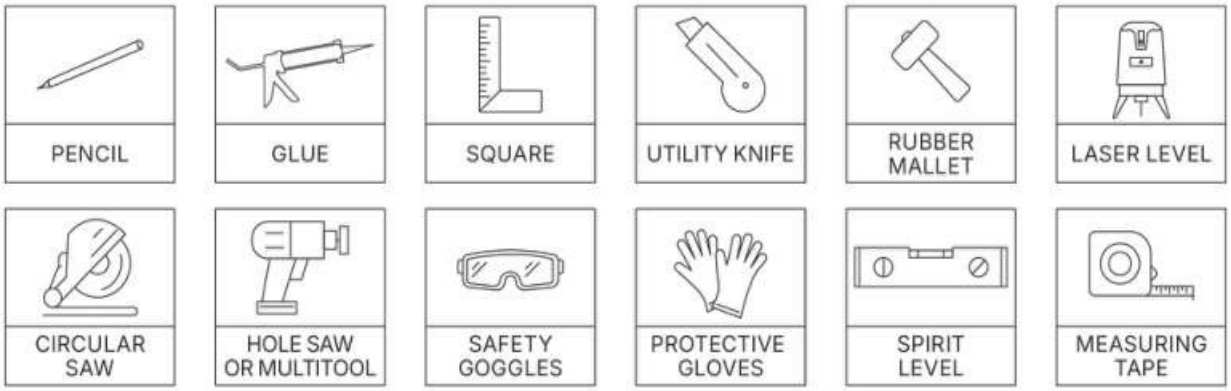
× In saunas;

× Near fire sources: directly next to gas stoves or around fireplaces.

PREINSTALLATION PREPARATION

1. Tools & Materials

1.1 Essential Tools



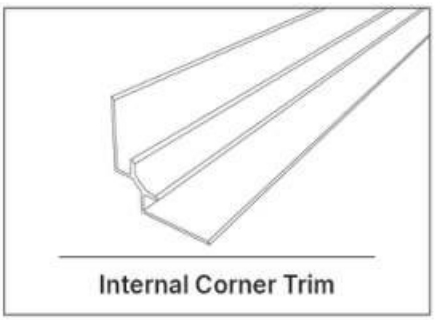
1.2 Guidelines for Adhesives

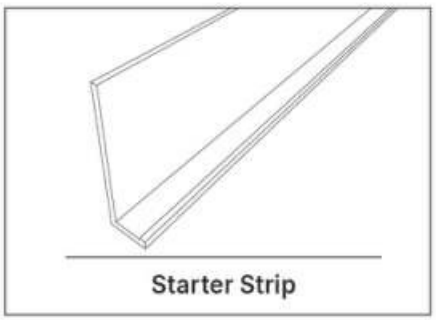
Use a suitable high-quality adhesive recommended for mineral core wall panels and wet area applications.

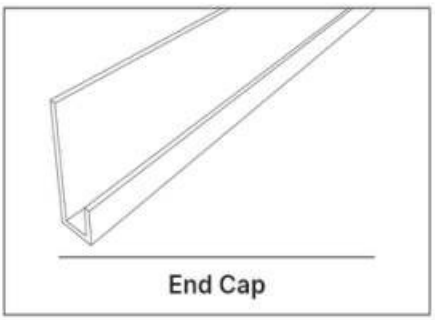
Warning

Prior to commencing installation, conduct an adhesion test by applying a minimal amount of adhesive to a discrete substrate section to verify bonding characteristics.

1.3 Accessories Preparation


Internal Corner Trim


Starter Strip


End Cap

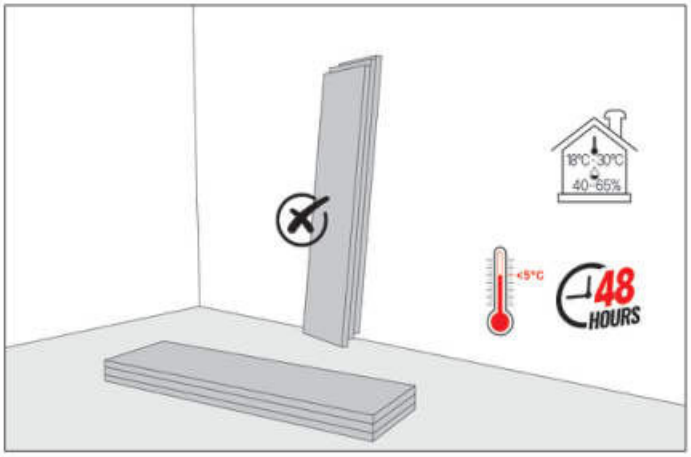
2. Panel Acclimatisation

Under controlled ambient conditions (18°C to 30°C / 65°F to 86°F; 40–65% RH):

- Minimum 24-hour stabilisation period when prior thermal exposure ≥5°C (41°F).
- Minimum 48-hour stabilisation period when prior thermal exposure <5°C (41°F).

Critical handling requirements:

- Prevent direct sunlight exposure.
- Maintain horizontal stacking orientation.
- Limit palletised height to 3-unit maximum.



3. Substrate Preparation

3.1 Acceptable Substrates

Mineral core wall panels may be applied to

- Plastered walls;
- Drywall (plasterboard);
- Ceramic tiles;
- OSB boards or plywood.

Substrate moisture content

- Plastered walls / drywall / ceramic tiles ≤8%.
- OSB boards or plywood ≤10%.

Substrate strength

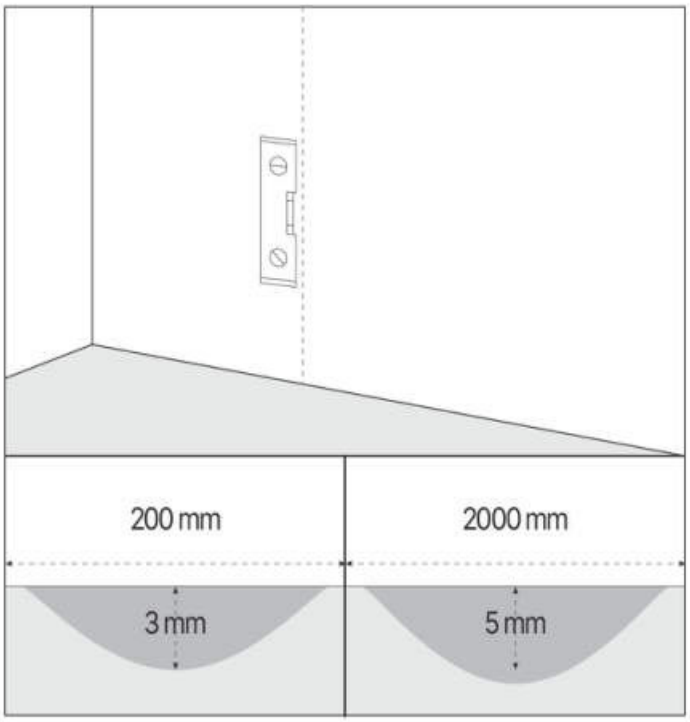
- Compressive strength ≥25 MPa.

Substrate cleanliness

- Should be free from grease and chemical substances.

Substrate flatness

- Max 3 mm variance per 200 mm;
- Max 5 mm variance over 2000 mm. Non-compliant areas require levelling.



Warning

The wall surface must be flat, stable, clean and dry before installation. Uneven areas should be repaired before fitting the panels. Do not install over loose, damp or unstable surfaces.

3.2 Removal of elements:

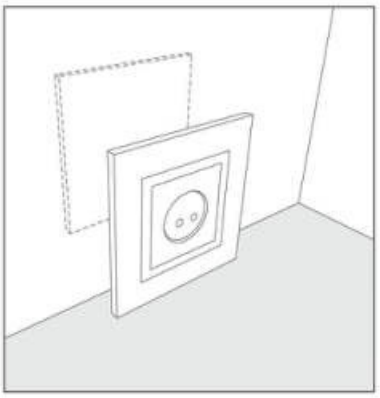
• Remove sockets, switches and any protruding fittings before installation.

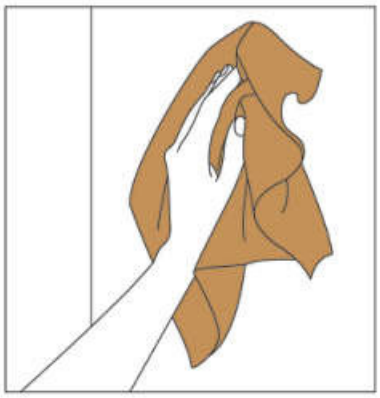
3.3 Clean the substrate:

• Ensure the wall surface is clean, dry, flat and free from dust or loose material.

3.4 Check the wall vertical:

• Check the wall is level, plumb and suitable for installation.



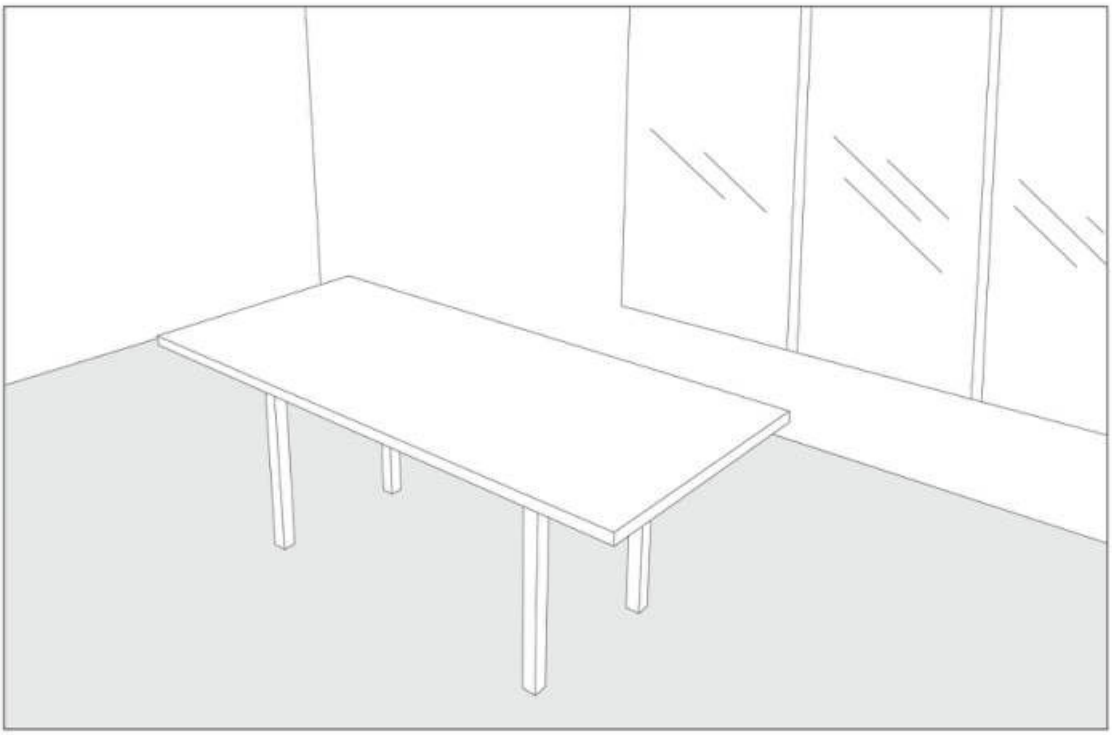




Warning Before and during installation, inspect all wall panels under proper lighting for defects, including cracks, colour mismatch, uneven gloss or texture irregularities.

4 Workspace Preparation

• Set up a dedicated work surface (such as a table) for cutting panels, to prevent damage to the locking edges.



LARGE FORMAT MINERAL CORE WALL PANEL INSTALLATION (CROSS LAYOUT)

1. Accessory Measurement & Installation

1.1 Internal Corner Trim

Measure & Cut

- Measure the vertical height from floor to ceiling at the corner. (Fig.1)
- Transfer this measurement to the internal corner trim, then cut it with a circular saw. (Fig.2)

Install

- Test fit the cut internal corner trim in the corner. It should contact both walls and span floor to ceiling.
- Apply adhesive to the back of the internal corner trim. (Fig.3)
- Press the internal corner trim firmly into the corner and check for perfect vertical alignment with a level. (Fig.4)

Warning Support the internal corner trim securely during cutting to avoid splintering.

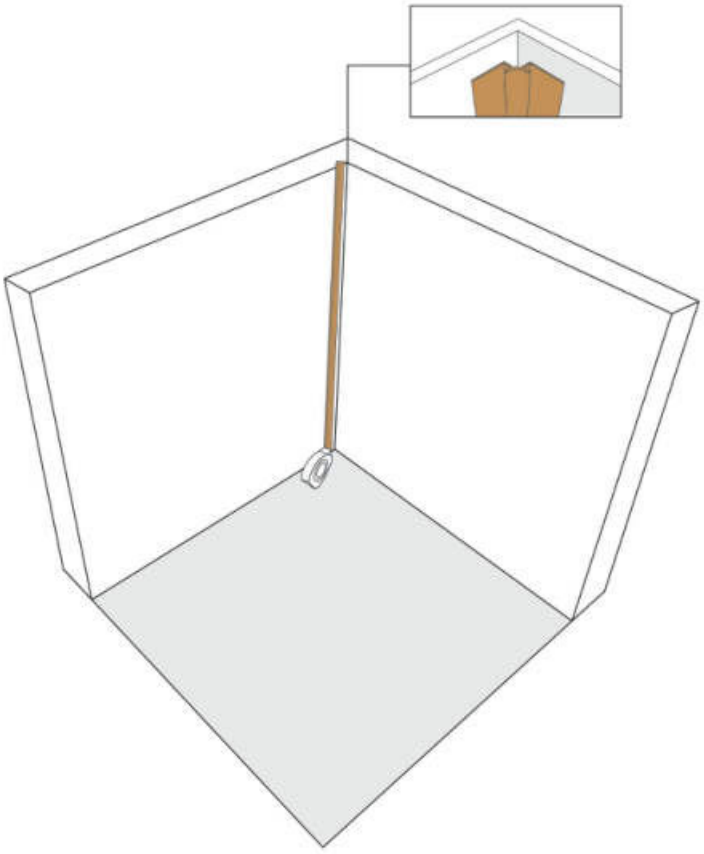


Fig.1

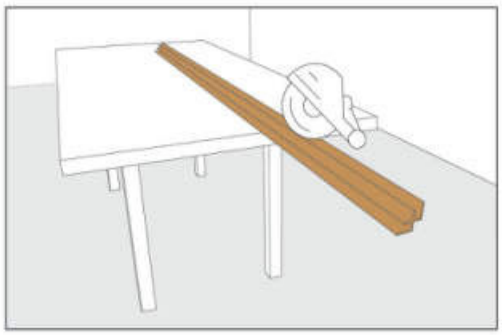


Fig.2

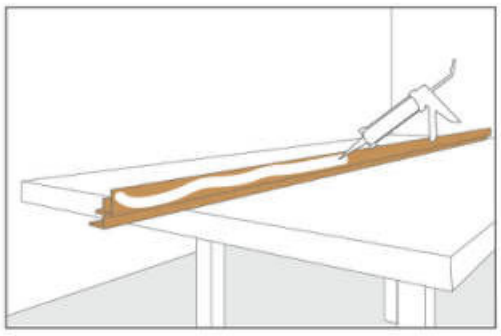


Fig.3

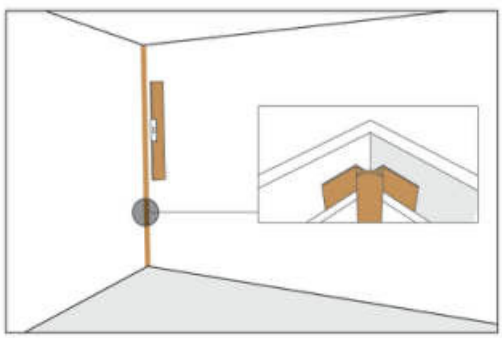


Fig.4

1.2 Starter Strip

Measure & Cut

• Measure from the corner to the end of the installation section. Ensure the measurement is accurate to avoid gaps or overlaps. (Fig.5)

• Transfer this measurement to the starter strip, then cut it with a circular saw. (Fig.6)

Install

• Test fit the cut starter strip in its planned position. Ensure it sits flush and straight along the starting edge.

• Apply adhesive to the back of the starter strip. (Fig.7)

• Ensure the starter strip is installed level before fitting the first panel. Use a spirit level or laser level to check alignment. (Fig.8)

Warning Support the starter strip securely during cutting to avoid splintering.

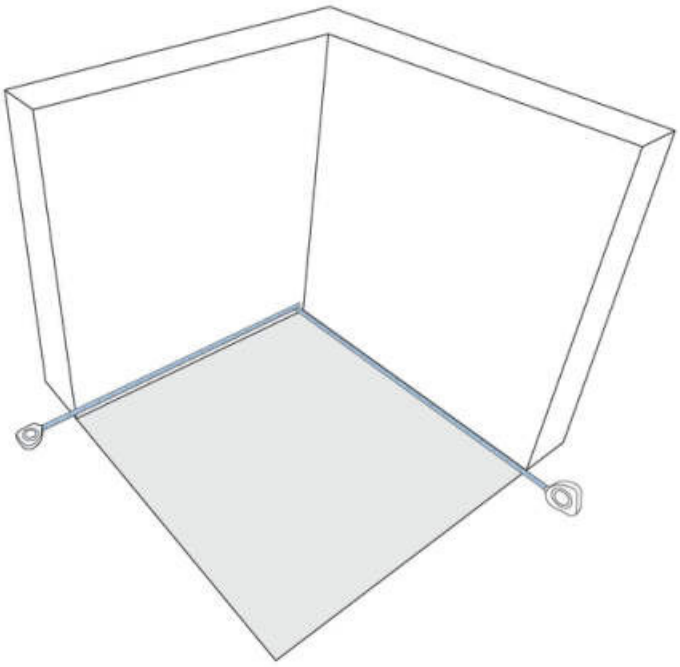


Fig.5

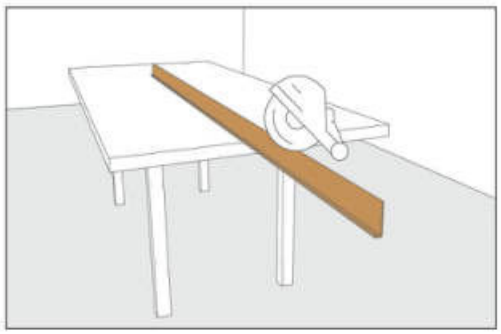


Fig.6

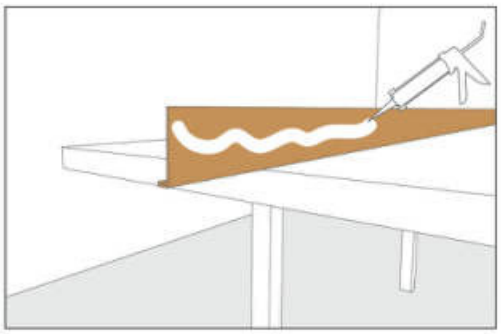


Fig.7

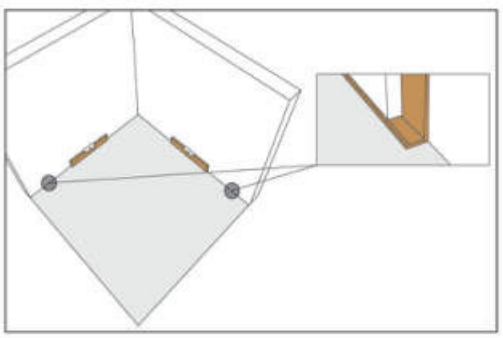


Fig.8

2. Wall Panel Installation

2.1 Overview of Wall Panel Installation Sequence

Installation sequence for 2400 mm x 600 mm mineral core wall panel cross layout (based on the diagram, Fig.9)

- Start with the corner reference panel (**panel 1**).

Install **panel 1** first—it serves as the positioning benchmark for the corner area.

- Install **panel 2** (adjacent to the left of **panel 1**).
- Install **panel 3** (adjacent to the left of **panel 2**).
- Install **panel 4** (adjacent to the right of **panel 1**).
- Install **panel 5** (adjacent to the right of **panel 4**).
- Install **panel 6** (adjacent to the right of **panel 5**).

Apply adhesive evenly to the rear of the panel. Position the first panel carefully and check it is level and square. Use a rubber mallet to gently tap the panel into position if required.

The most crucial requirement during the whole process is to ensure that all cross joints of the panels are precisely aligned without any deviation, which is essential for guaranteeing the structural stability and the neat, uniform finish of the entire wall surface.

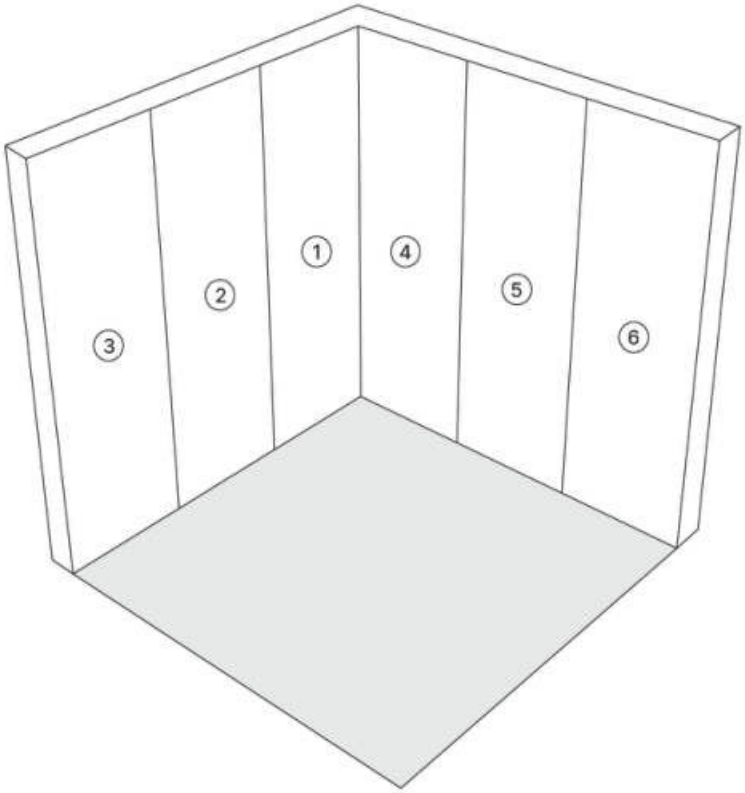


Fig.9

2.2 Key Points to Align Wall Panels Horizontally & Vertically

Specialised Tool Checking

• Use a level gauge to check each panel's levelness and a laser level gauge to calibrate verticality when installing individual panels – a fundamental, critical step.

Precise Splicing Alignment

• Align locking tongues/lock grooves precisely (e.g., bottom latch to starter strip/lower panel slot, side latch to adjacent panel slot) before fitting panels to the wall. Align first, then check to avoid post-installation adjustments for misalignment.

Multi-Dimensional Vertical Check

Calibrate verticality using the wall as the benchmark; verify overall vertical consistency of adjacent installed panels (e.g., 1-2/2-4) and multi-panel joints to prevent individual panels from being vertical but overall splices from being misaligned.

Pre-Fixing Confirmation

• Complete level/vertical checks and adjustments to meet standards before securing with a rubber mallet. Tap with even force and recheck joints post-fixing to avoid tapping-induced misalignment.

Joint Gap Verification

• Ensure no gaps between panels (e.g., 1 and 2, 2 and 3) and at multi-panel joints. Uneven gaps usually indicate alignment deviations and serve as a visual auxiliary check standard.

2.3 Wall Panel Cutting

Circular cutout cutting

• Measure the centre point of the circular hole on the wall. Mark the centre point of the circular hole on the installation position panel. Use a hole saw or multitool to cut at the centre point. (Fig.10–12)

• Keep the drill stable and avoid tilting during operation.

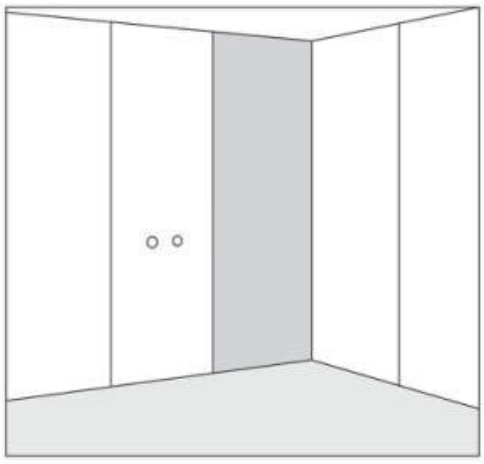


Fig.10

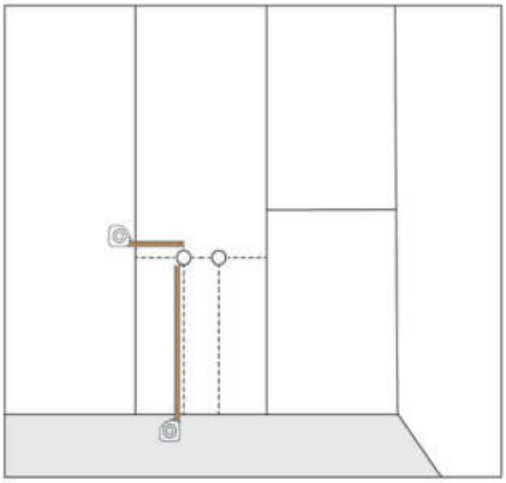


Fig.11

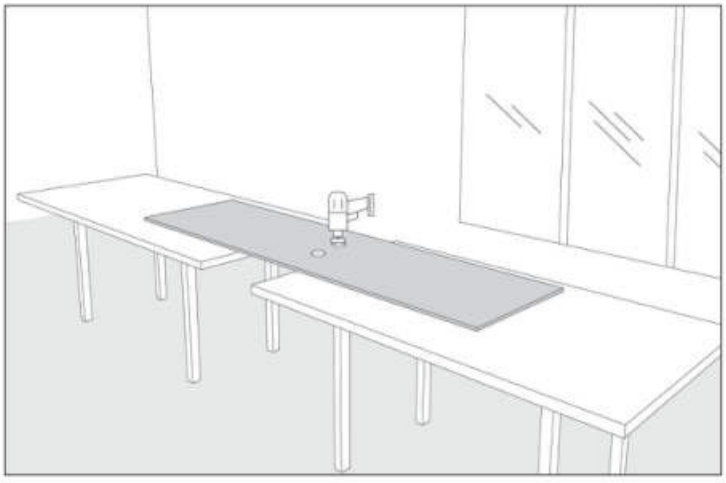


Fig.12

Panel Cutting

• As shown in Fig.13, panels 3 and 6 are the last panels installed at the end of each wall segment. If the measured width of the end wall is less than 600 mm, panels 3 and 6 need to be cut to ensure proper installation.

• Measure the width of the wall, transfer the precise dimensions to the wall panel, and mark the cutting lines.

• Cut the wall panel to the specified dimensions using a utility knife or a circular saw. (Fig.14)

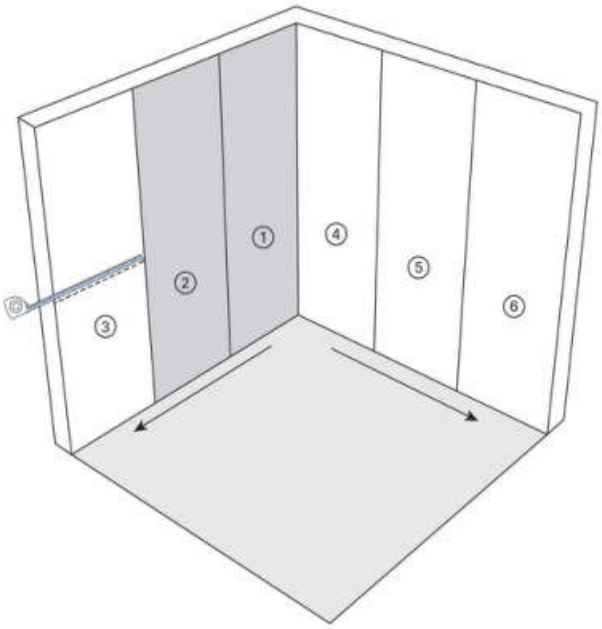


Fig.13

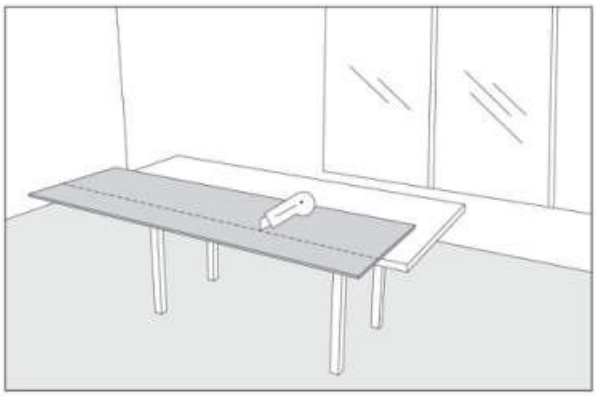


Fig.14

2.4 Step-by-Step Installation

Expansion Gaps

• Maintain a 3–5 mm expansion gap under the ceiling. After at least 12 hours from gluing, fill the gap with silicone. (Fig.15)

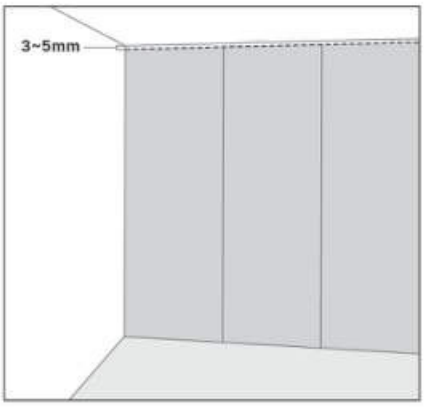


Fig.15

Start with Corner Panel 1

Orientation:

• Place the panel with the short side (600mm) horizontal and the long side (2400mm) vertical. The locking tongues should face toward the right and downward for interlocking with adjacent panels and internal corner trim.

Interlocking:

• The panel is connected to the internal corner trim strip on the right and the bottom starter strip via locking tongues. (First install the short side, then install the long side.)

Apply adhesive:

• You can apply adhesive to the back of the mineral core wall panel or apply it directly to the wall surface. (Fig.17 and 18)

Install on the wall:

• Butt the mineral core wall panel tightly to the wall; check horizontal level with a gauge and vertical alignment with a laser level gauge, then secure it by gentle tapping with a rubber mallet.

Warning Ensure the panel is perfectly level and plumb before proceeding to the next panel.

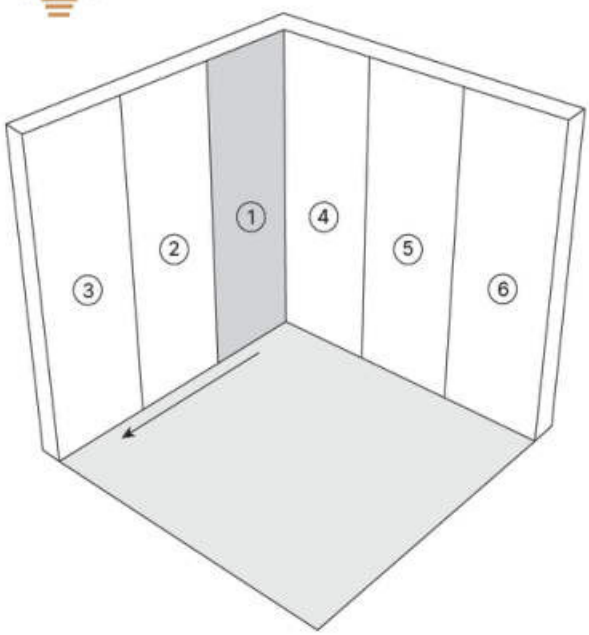


Fig.16

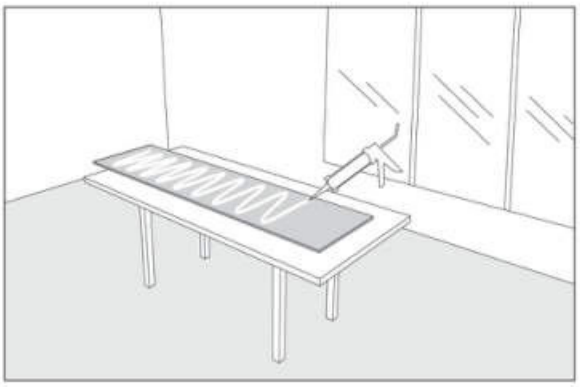


Fig.17

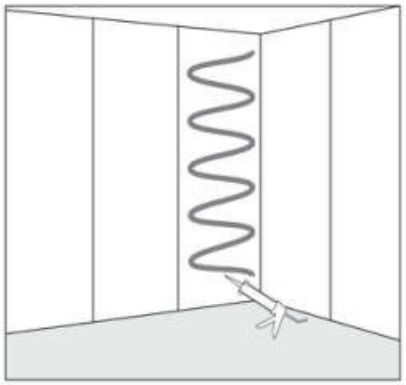


Fig.18

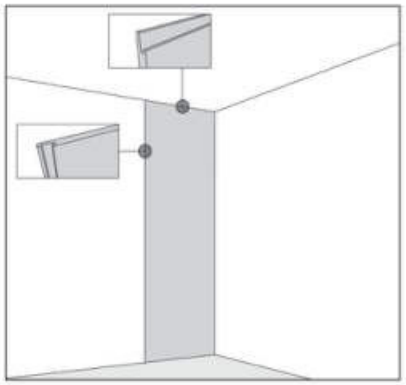


Fig.19

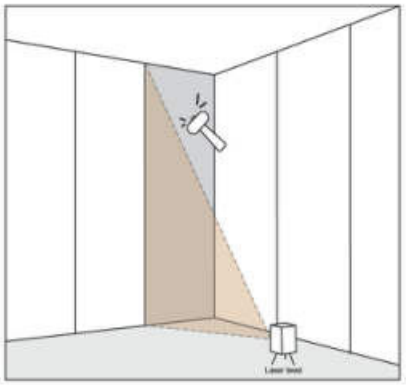


Fig.20

Panel 2 Installation Points

Orientation:

• Place the panel with the short side (600mm) horizontal and the long side (2400mm) vertical. The locking tongues should face toward the right and downward for interlocking with adjacent panels.

Interlocking:

• The bottom locking tongues connect to the top lock groove of internal corner trim; the right side connects to the panel 1. (First install the short side, then install the long side.)

Apply adhesive:

• You can apply adhesive to the back of the mineral core wall panel or apply it directly to the wall surface. (Repeat Fig.17 and 18)

Install on the wall:

• Butt the mineral core wall panel firmly to the wall, align its bottom edge flush with internal corner trim top edge; check horizontal alignment with a level gauge and vertical alignment against both the wall and panel 1 with a laser level gauge, then tap gently with a rubber mallet to secure tightly, leaving no gaps between panel 2 and panel 1.

Warning Before installing the next panel, ensure that the current panel is perfectly horizontal and perpendicular to panel 1 and the wall.

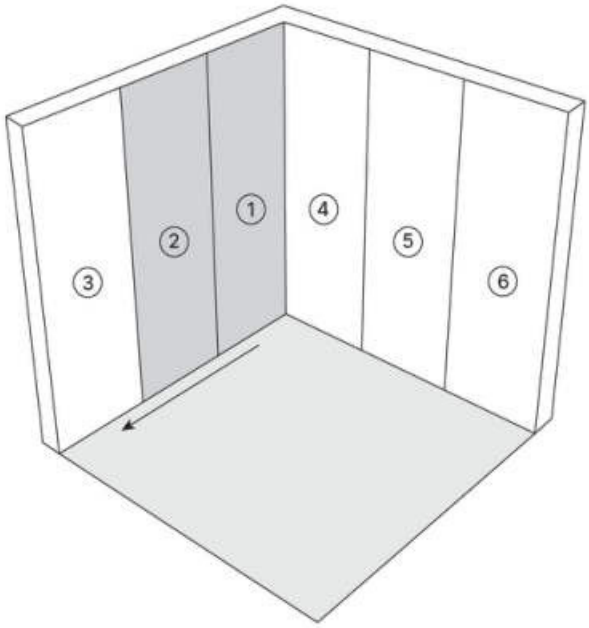


Fig.21

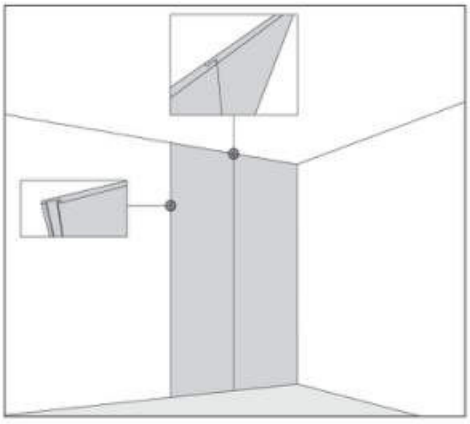


Fig.22

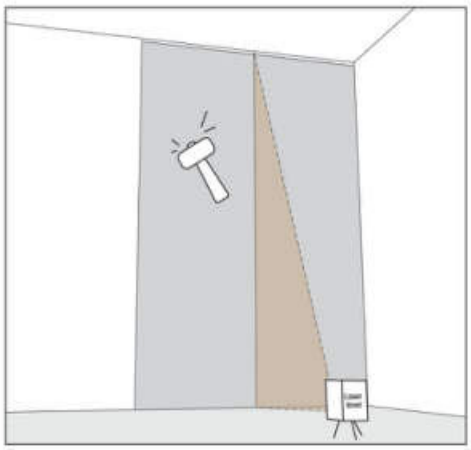


Fig.23

Panel 3 Installation Points

Orientation:

• Place the panel with the short side (600mm) horizontal and the long side (2400mm) vertical. The locking tongues should face toward the right and downward for interlocking with adjacent panels.

Interlocking:

• Connected to panel 2 on the right and the bottom starter strip via the locking tongues. (First install the short side, then install the long side.)

Apply adhesive:

• You can apply adhesive to the back of the mineral core wall panel or apply it directly to the wall surface. (Repeat Fig.17 and 18)

Install on the wall:

• Place the mineral core wall panel tightly against the wall and align its bottom edge with the starter strip and its right side with panel 2. Use a level gauge to check horizontal alignment and a laser level gauge to confirm vertical alignment with both the wall and panel 2. Gently tap the panel with a rubber mallet to secure it firmly, ensuring no gaps exist between panel 3 and panel 2.

Warning Before installing the next panel, ensure that the current panel is perfectly horizontal and perpendicular to panel 2 and the wall.

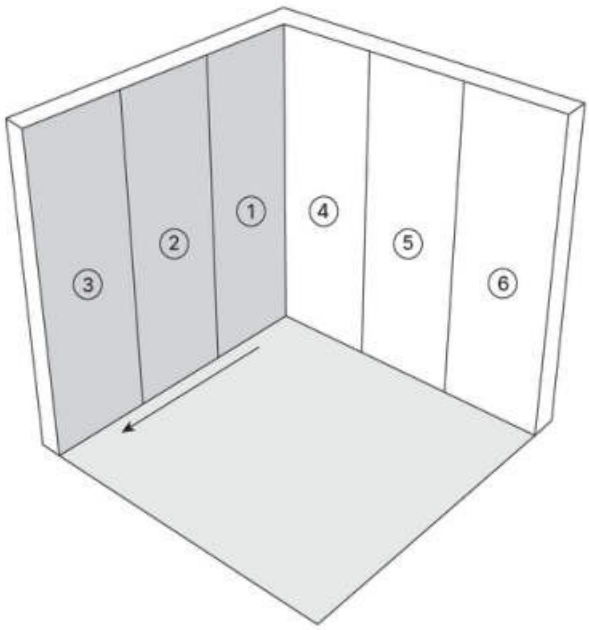


Fig.24

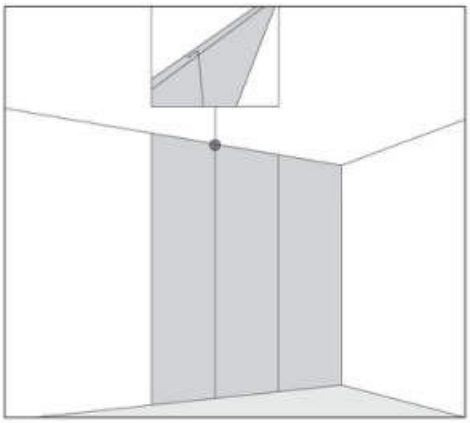


Fig.25

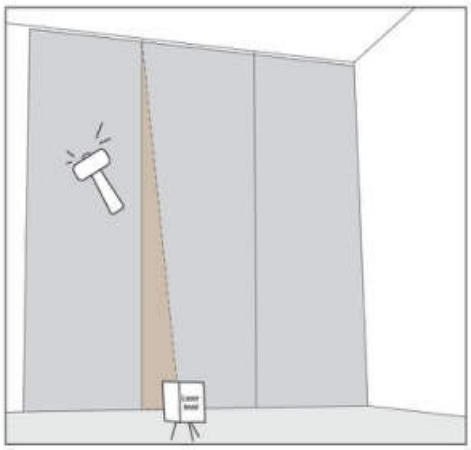


Fig.26

Panel 4 Installation Points

Orientation:

• Place the panel with the short side (600mm) horizontal and the long side (2400mm) vertical. The locking tongues should face toward the left and downward for interlocking with internal corner trim.

Interlocking:

• Connected to the internal corner trim strip on the left and the bottom starter strip via the locking tongues. (First install the short side, then install the long side.)

Apply adhesive:

• You can apply adhesive to the back of the mineral core wall panel or apply it directly to the wall surface. (Repeat Fig.17 and 18)

Install on the wall:

• Butt the mineral core wall panel firmly to the wall and align its bottom edge flush with the internal corner trim edge; check horizontal alignment with a level gauge and vertical alignment against both the wall and panel 1 with a laser level gauge, then tap gently with a rubber mallet to secure tightly, leaving no gaps between panel 4 and the internal corner trim. (Fig.19)

Warning Before installing the next panel, ensure that the current panel is perfectly horizontal and perpendicular to panel 1 and the wall.

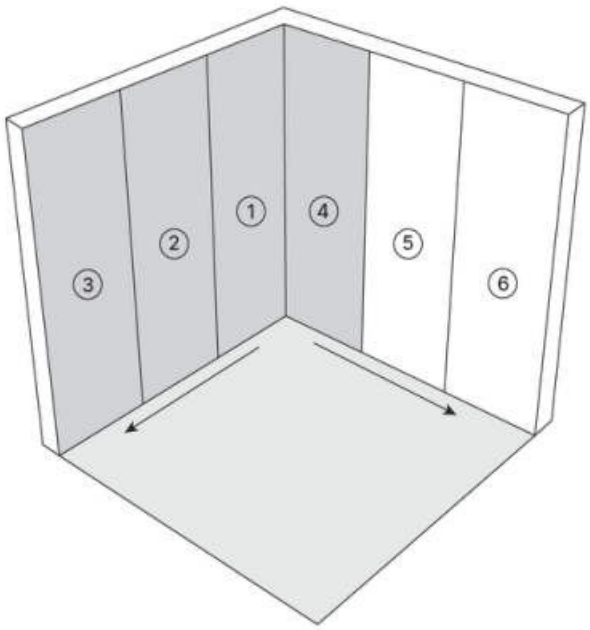


Fig.27

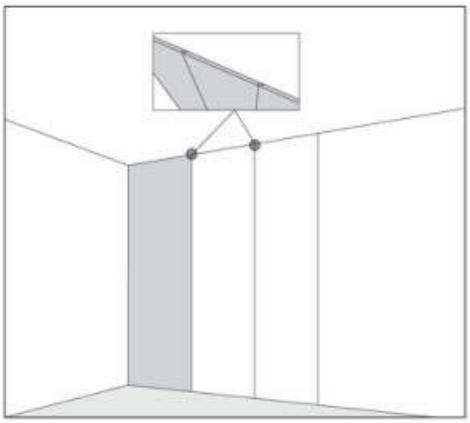


Fig.28

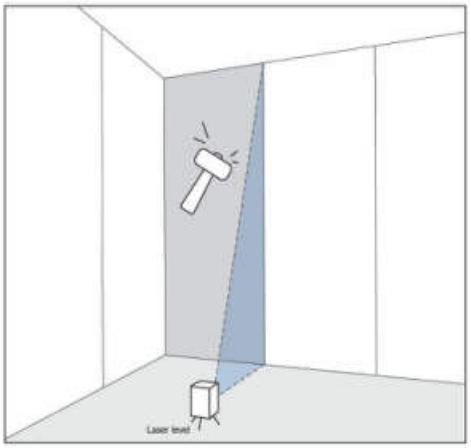


Fig.29

Panel 5 to Panel 6 Installation Points

Orientation:

• The installation method is the same as for panels 2 and 3; refer to Fig.21 to Fig.26. Note that the locking tongues are on the left and bottom of the wall panel.

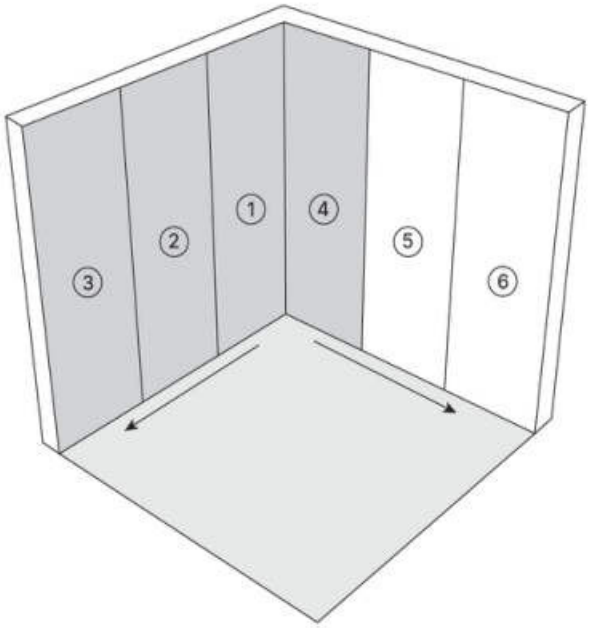


Fig.30

Install the End Cap

• Measure the wall dimensions as shown in Fig.31.

• Refer to page 8: cut and apply the end cap in the same way as the starter strip.

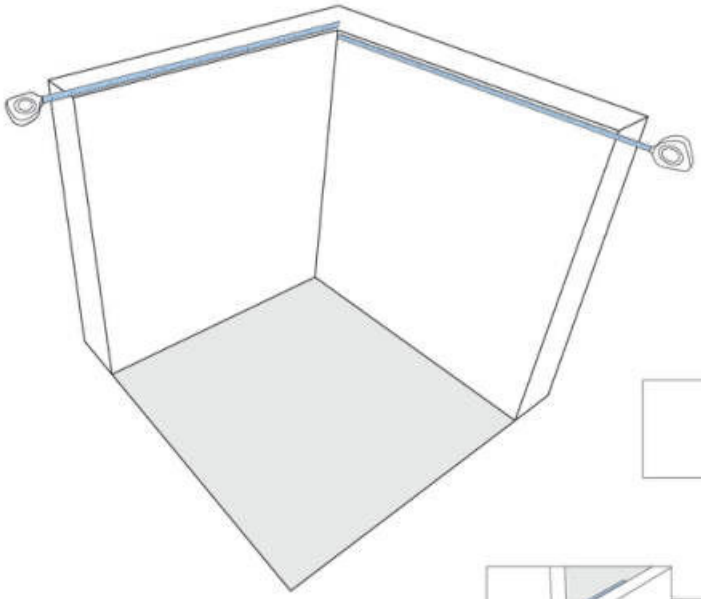


Fig.31

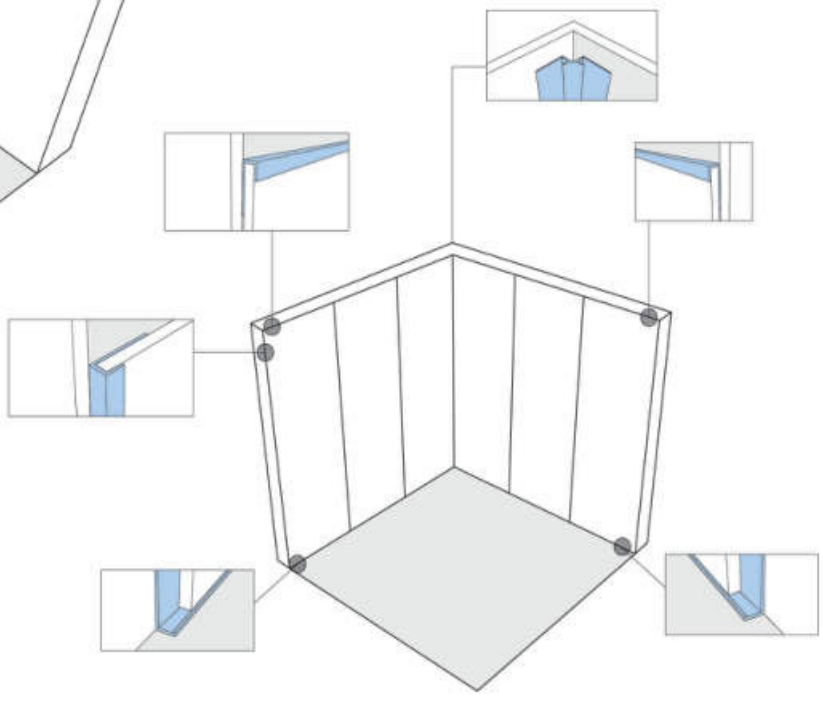


Fig.32

2.5 Installation of Panels in Wet Areas

• Verify substrate security and humidity compatibility before installation.

• Apply a liquid waterproof membrane (tanking) to the wall: 2 perpendicular layers for uniform coverage (3 layers for porous substrates). Ensure full curing (confirm drying time with the membrane manufacturer) before installing panels.

• Additional waterproofing components:

Sealing tape at wall joints

Sealing collar around openings

Sealing corners at wall-floor intersections

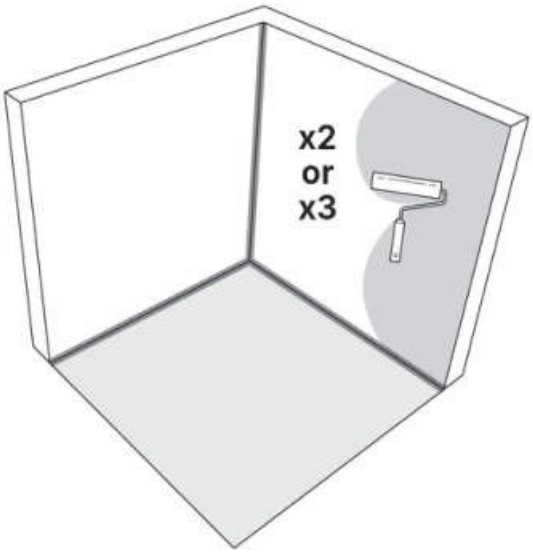


Fig.33

MAINTENANCE PROCEDURE

1. Cleaning

- Cleaning agents: citric acid, vinegar or tartaric acid solutions.
- Use a damp or wet cloth.
- Rinse within 10 minutes of application.
- Descaling: use sulphamic acid products only.
- Final rinse with water below 40°C.



Fig.34

2. Damage Prevention

• Mandatory pre-test: validate cleaning agents in an isolated area.

• Prohibited: abrasive or caustic agents (these void the warranty), steel wool or highly abrasive implements (these cause scratches).

3. Prohibited Cleaning Agents

- Abrasive compounds (including calcium carbonate powders)
- Chlorine/halogen-based bleaches
- Sodium hydroxide (NaOH) alkaline solutions
- Antifungal chemical treatments

• Wax or polish compounds (risk of irreversible texture modification).

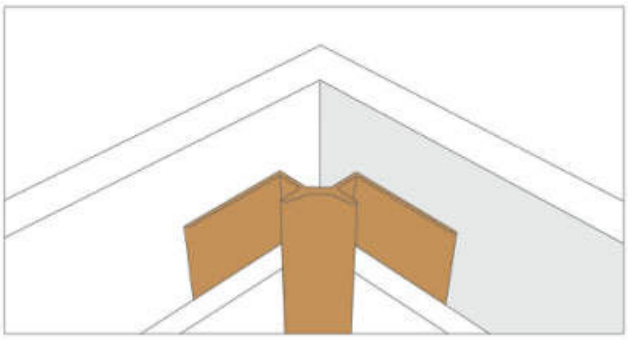
• Always adhere to cleaner manufacturer guidelines.

• Mandatory periodic joint inspection: verify that waterproof sealing remains continuous.

WALL PANEL ACCESSORIES

1. Internal Corner Trim

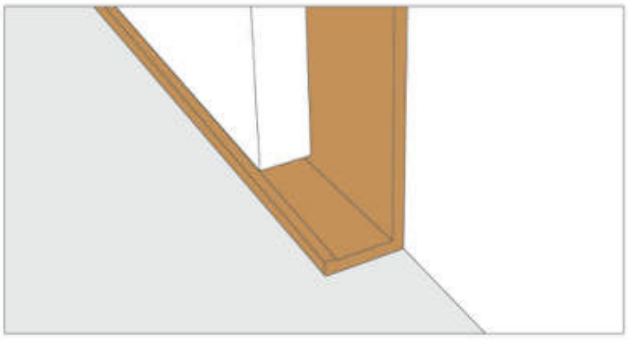
- Used on all internal 90° corners.
- Ensures a smooth transition at internal corners, preventing dust or damage.
- Suitable for internal corner trim decoration on boards below 4mm.





2. Starter Strip

- At the base of the wall.
- It guides and secures the first row of panels, ensuring they start level and straight, and provides the first interlock.
- Suitable for starter strip decoration on boards below 4mm.





3. End Cap

- At top edges of the panel system.
- Protects the panel core and aids in moisture management.
- Suitable for end cap decoration on boards below 4mm.

