

Installation Tips for Slats, Wall Panels and Flex Stone Panels

Read First

These instructions cover decorative WPC slat panels and SPC wall panels installed on interior walls and ceilings. Always follow local building codes and the adhesive/fastener manufacturer's directions. If any step conflicts with the product carton or project specifications, follow the stricter requirement.

IMPORTANT: First, check the shape of the installation area for your wall — it must be completely flat, with no uneven surfaces or bulges. If the wall is not flat, use plaster, install on MDF battens, or purchase 0.25" x 4' x 8' MDF sheets and install them on the wall first. The MDF area should be approximately 0.5–1" smaller than the total area of your wall installation.

If You Prefer a Dry Installation (No Adhesive on the Wall)

If you're renting or simply want an option that leaves minimal wall damage when removed, here's an easy solution:

1. First, attach an MDF sheet to your wall using finishing nails. These small nail holes are easy to patch later.
2. Then, install your wall panels on top of the MDF sheet using adhesive, following the standard installation diagram.
3. When you move out or need to remove the wall, you can easily detach the MDF sheet.

For an advanced setup, you can even make your wall *movable*: align the MDF backing sheets so their joints match the panel connections. This way, you can deinstall your wall in sections and take it with you.

Tools & Materials

- Tape measure, pencil, stud finder, 4'-6' level or laser, square
- Utility knife; fine-tooth carbide saw blade (TCG 60–80T), miter/track/circular saw (if you expect to cut pieces)
- J-roller, caulk gun, painter's tape, rags
- Construction adhesive (MS-polymer or polyurethane, plastic-safe). The recommended adhesive is Fuze It Max (product # 313740337 in Home Depot). Consider consumption 20-25 SF for one tube.
- 18-ga brad Nailer with 1.25–1.5" brad nails (if used for your wall model)
- 1x2" MDF battens (product # 204468324 in Home Depot) are included in your supply (may come in a separate parcel).

Site Conditions & Acclimation

Install in normal lived-in conditions (60–80°F, 35–65% RH). Store cartons flat and out of sun. Acclimate panels 24 hours in the install room. For bathrooms/kitchens, run HVAC and ventilation for 24 hours prior to install.

Substrate Prep

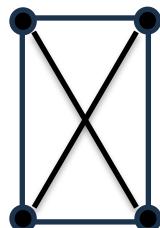
- Acceptable: painted drywall, MDF/plywood, cement board, or primed plaster
- Surfaces must be clean, dry, sound, and flat ($\leq 1/16"$ in 6')
- Remove loose paint, dust, silicone, and oils
- Mark studs; snap level and plumb control lines

Layout & Planning

- Dry-lay pieces on the floor to confirm pattern/grain direction and smooth connection of the parts
- The wall panels are usually installed directly above the baseboard (or floor, if there's no baseboard), using it as a natural alignment and support for the bottom row.
- If you need to install the wall **above** the baseboard, temporarily attach a 2×4 support board underneath as a leveling guide. Keep it in place until the adhesive cures, then remove it once the wall is firmly set.
- Start installation from a centerline or visible edge and work out
- Leave a 1/8" perimeter gap at ceilings, corners, and terminations
- For LED reveals, consider 3/4"–1" overlapping for hidden LED installation according to the enclosed installation diagram.

Cutting – Best Practice

- For panels and flex stone products: Score the panel on the face side with a sharp utility knife using several deep passes, then snap it over a straight edge or table edge face up. Carefully trim the remaining backing (nylon scrim/threads).
- The other option: use a table saw with TCG/non-ferrous carbide blade (60–80T on 8–10") with 0° to –6° hook
- Cut slats with a miter saw, circular saw, or jigsaw using a fine-tooth carbide blade.
- Support fully, cut slowly, clear chips; score-and-snap thin SPC sheets
- Dry-fit each piece after cutting
- Cutting technical holes for outlets and light switches on flat panels and flex stone: draw the shape, drill holes in the corners (1/4" bit), use utility knife to cut grooves from the face, add diagonal grooves and hit by hammer or press gently from the top.



Usage of Adhesive (Most Common)

- Wipe back of panel and wall dust-free
- Apply plastic-safe construction adhesive in 3/8" beads near edges plus an 'S' in the field
- Press panel to wall following level line; slide slightly to wet-out
- Roll with a j-roller; tape to support while curing and hold firmly for at least a few minutes
- Check alignment every 2-3 rows; keep joints tight and pattern continuous
- The recommended adhesive is Fuze It Max (product # 313740337 in Home Depot)

Installation – Dry/Flush over Battens (Optional)

When walls are uneven, use thin MDF battens at 12" OC, then glue panels to the furring. This method also creates dry installation with potential future removal option, straight LED reveals and can improve sound absorption.

Corners, Outlets & Finishing

- Outside corners: use trims or miter and back-bevel; bond and pin until cured
- Inside corners: caulk or use L-trim
- Cut outlet openings from the front (see above); use box extenders as required
- Clean with mild soap/water only—no abrasives or strong solvents

Bathrooms & Kitchens

Panels are waterproof but are not a shower liner. Keep out of direct, continuous water spray and away from steam rooms/saunas. Seal all edges and penetrations; use moisture-appropriate substrate in splash zones.

Maintenance

- Wipe with a damp microfiber cloth and mild soap
- Avoid acetone, MEK, lacquer thinner, abrasive pads, and steam cleaning
- Re-inspect annually; re-seal perimeter joints if needed

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Installation Tips for “5th Avenue” Thermo-Treated Wood Panels

Clip-Mounting Installation System

Read First

These interior decorative wall panels are thermally modified hardwood with deep cross-grooves. Install boards vertically or horizontally using the supplied hidden clip system enclosed to each box: 4 end clips and 16 between clips with stainless steel screws. Maintain building HVAC during and after install.

IMPORTANT: First, check the shape of the installation area for your wall — it must be completely flat, with no uneven surfaces or bulges. If the wall is not flat, use plaster, install on MDF battens, or purchase 0.25" x 4' x 8' MDF sheets and install them on the wall first. The MDF area should be approximately 0.5–1" smaller than the total area of your wall installation.

Tools & Materials

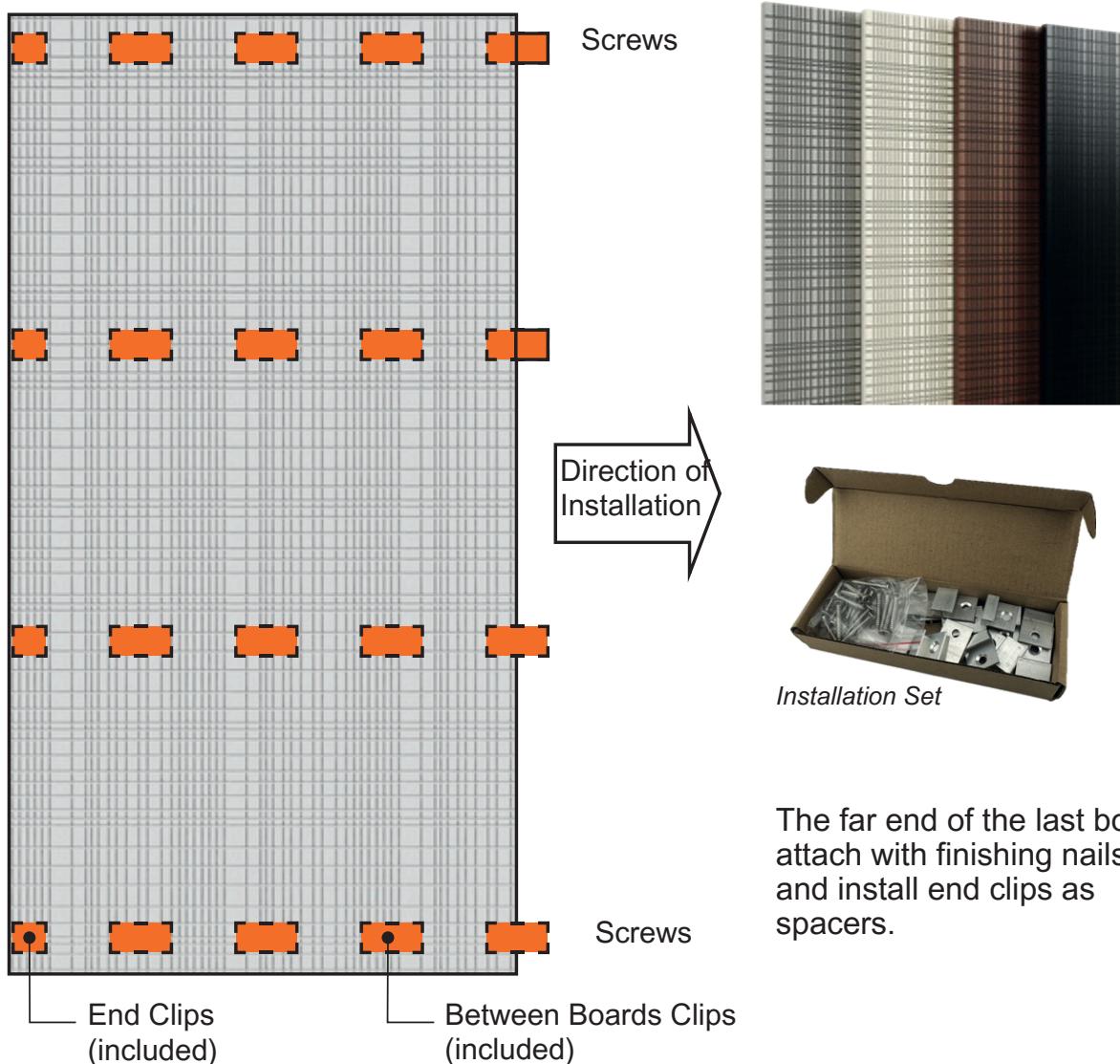
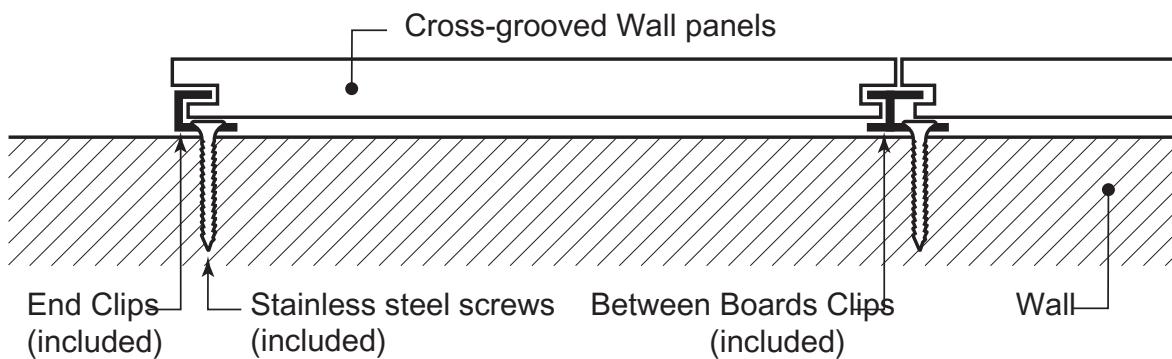
- Stud finder, level/laser, tape measure, square
- Drill/driver or impact driver
- Installation clips with screws (included): end clips and between clips
- Fine-tooth carbide saw blade (miter or track saw)
- 1x2" MDF battens (product # 204468324 in Home Depot) for dry install on uneven walls, or to make a projected installation of panels if used a hidden LED light

Site Conditions & Acclimation

- Acclimate panels 48 hours at 60–80°F and 35–55% RH
- Confirm walls are plumb/flat within 1/16" in 6' (see above notes)
- Mark stud locations; typical studs at 16" OC

Clip Types & Placement

- End Clips: at the two ends of each board; screw slots 1"–2" from each end
- Between Clips: four per board, spaced evenly (~24") or aligned to studs
- Total per 6' board = 4 clips
- Maintain a 1/8" perimeter gap at ceilings, and inside corners



Mounting Sequence

- Snap a perfectly level reference line for the first course (or install a temporary support board 1"x4" on the wall). Usually, the boards installed vertically and supported with existing base board.
- Fasten two end clips on the ends of the boards along the line into studs or anchors—do not over-tighten. **IMPORTANT:** if the wall of installation is not perfectly flat, to keep boards perfectly matching to each other we'd recommend fastening two clips on each end of the boards and to keep middle clips free – just to connect boards between each other. This way the whole structure will not follow the inconsistency and curves of the wall (if any) to keep the panels surface absolutely flat.
- Engage the first board onto the clip jaws; tap gently with a block to seat
- Check level and continue
- Repeat the clip pattern for the next board; align groove lines and stagger seams
- To support the last board from the edge side use either finishing nails throughout the board, or thin bead of construction adhesive on back. If this edge is hidden, use the between boards clips to hold it.

Cutting & Edge Treatment

- Crosscuts: 10" miter saw with 80-tooth ATB/TCG carbide blade; cut slowly
- Rips: track/table saw with 40–60T ATB blade; use featherboard/outfeed support
- Face up on table saw; face down on circular saw to minimize tear-out
- Tape cut line with painter's tape; remove after cut
- Lightly sand cut edges and seal with clear finish for kitchens/baths

Outlets, Corners & Finishing

- Outside corners: miter (44–46° back-bevel) for a tight arris
- Inside corners: connect boards to match pattern
- After install, wipe dust and vacuum grooves of the boards

Maintenance

- Dust with microfiber or wipe slightly damp; avoid standing water
- Vacuum grooves as needed
- Maintain indoor moisture content 35–55%

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Installation Tips for Wood Triangles

Modular triangle wood panels for geometric feature walls

Read First

These instructions cover the installation of Modular Wood Triangles on interior walls. Always follow local building codes and the adhesive/fastener manufacturer's directions.

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For an advanced setup, you can even make your wall *movable*: align the MDF backing sheets so their joints match the panel connections. This way, you can deinstall your wall in sections and take it with you.

Tools & Materials

- Tape measure, pencil, stud finder, 4'-6' level or laser, square
- Construction adhesive (MS-polymer or polyurethane), caulk gun. The recommended adhesive is Fuze It Max (product # 313740337 in Home Depot).
- 18-ga brad Nailer with 2" nails for hidden pinning
- Drill with 1/4 bit.
- Rags, color-matched sealant or wood filler

Site Conditions & Acclimation

- Install in normal lived-in conditions: 60–80°F (16–27°C), 35–55% RH

- Store cartons flat and out of sun; acclimate panels 48 hours in the room
- Run HVAC/ventilation 24 hours before install in kitchens/baths

Substrate Prep

- Acceptable: painted drywall, MDF/plywood, cement board, primed plaster
- Surface must be clean, dry, sound, and flat ($\leq 1/16$ " in 6')
- Remove dust, oils, silicone, loose paint; mark studs; snap level/plumb lines

Layout & Pattern Planning

- Dry-lay triangles on the wall to select pattern (chevrons, diamonds, pinwheels)
- Connect triangles with enclosed PINs to form squares
- Start from a centerline or a visible edge and work outward
- Rotate/flip pieces for grain direction and visual balance
- Install the LED strip in the **integrated channel** of **Part #1**. Make a $\frac{1}{4}$ " hole in one of the ends of the channel back or on side to route the lead wires **flat against the wall** behind the panel, then set the piece with adhesive — shim as needed so the panel and wiring sit flush. **Test the LED connection before the adhesive cures** (do not pinch the wires).

Installation – Adhesive Set (Recommended)

- Wipe backs and wall dust-free; dry-fit first course
- Connect triangles with enclosed PINs to form squares
- Apply construction adhesive in $3/8$ " beads near edges plus an S-pattern in the field
- Press triangle to the wall along your layout line; slide slightly to wet-out
- Roll with a j-roller; support with painter's tape while curing
- Optional: pin with 18-ga brads in shadow lines; fill nail holes and touch up
- Maintain alignment across seams; check level every row
- Seal perimeter joints and wet-adjacent edges with color-matched sealant

Maintenance

- Dust with microfiber; wipe slightly damp—do not saturate
- Avoid ammonia/solvent cleaners; protect from direct high heat

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