



THERMALLY MODIFIED WOOD COLLECTION

INSTALLATION & MAINTENANCE GUIDE



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Designed to be seen



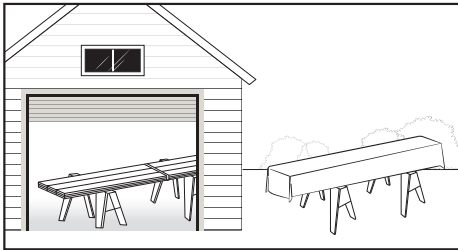
Thermally Modified Wood Collection - Natural + Timber Ridge

Our siding, pattern, and trim products add natural beauty to residential, commercial, and multifamily projects. With a diverse range of captivating finishes, we take pride in crafting wood that adds aesthetic appeal and simplifies installation.

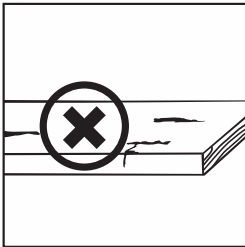
TIPS FOR GETTING STARTED

IMPORTANT: Inspect product before installation. Do not install if any material appears damaged or in poor condition. Installation will be considered acceptance of the product. Read all instructions prior to installation; failure to follow instructions voids the warranty.

When UFP-Edge product is delivered to the jobsite, we recommend you follow these basic guidelines before and during product installation. Wood grain color may vary from board-to-board due to the natural characteristics of the wood.

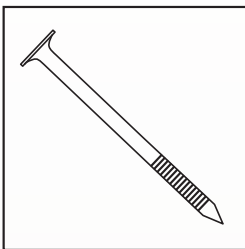
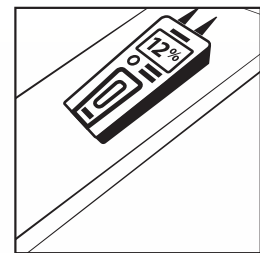


Upon receipt of your product, store it under cover, such as in a garage. If outdoor storage is necessary, keep the product elevated off the ground and wrapped in its original lumber wrap. Always ensure the product is protected from the elements prior to installation. Allow the product to acclimate for a minimum of 72 hours prior to installation, so the wood can adapt to the local humidity conditions.



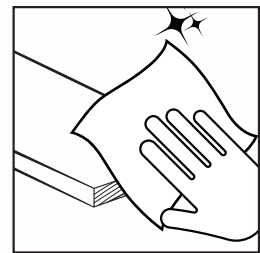
Handle thermally modified boards with care. The tongue-and-groove sections of boards are especially vulnerable to damage.

Record the moisture content of each board and ensure moisture is similar before installation. Boards with vastly different moisture levels will dry unevenly, resulting in gaps between cladding boards.



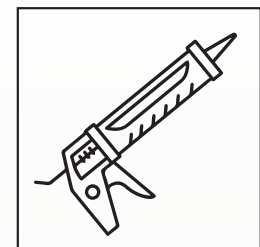
Utilize stainless steel screws or nails only for installation. Fastener corrosion is not covered by the product warranty.

When applying a finish coat on the Natural appearance boards, all surfaces must be free from dirt, dust, mildew and other loose foreign material prior to application.



To finish your siding, use a premium quality exterior coating. Natural Thermally Modified wood can accept water-based and/or oil-based coatings.

Caulking is used to seal gaps around corners, windows, doors and other exterior types of joints that can be exposed to water intrusion.



STORAGE AND HANDLING

DEALER GUIDANCE

- The product must always be kept 12 in. or more off the ground and on a level, stable surface. Protect the product from dirt, moisture, direct sunlight and extreme heat.
- Ideally, the product should be under covered storage.
- If covered storage is not available, the unit wrap must always remain in place to protect from the elements, dirt and debris.
 - When pulling orders, cut the bands on the unit, remove one side of the wrap and pull boards.
 - When finished, replace the unit wrap and re-band the unit to secure in place.
 - In all circumstances, but especially when the product is stored outside, it must be kept off the ground and away from any standing water.
- When handling, use care to avoid gouging, scratching and scuffing the surface of the siding. Product slip sheets are used to help protect the exposed face sides of each board. Retain and use the slip sheets when handling boards. Never stack boards face-to-face without a slip sheet, especially with painted finished boards.
- Never stack product more than 5 units high.

JOBSITE GUIDANCE

UFP-Edge products must always be protected from the elements prior to installation.

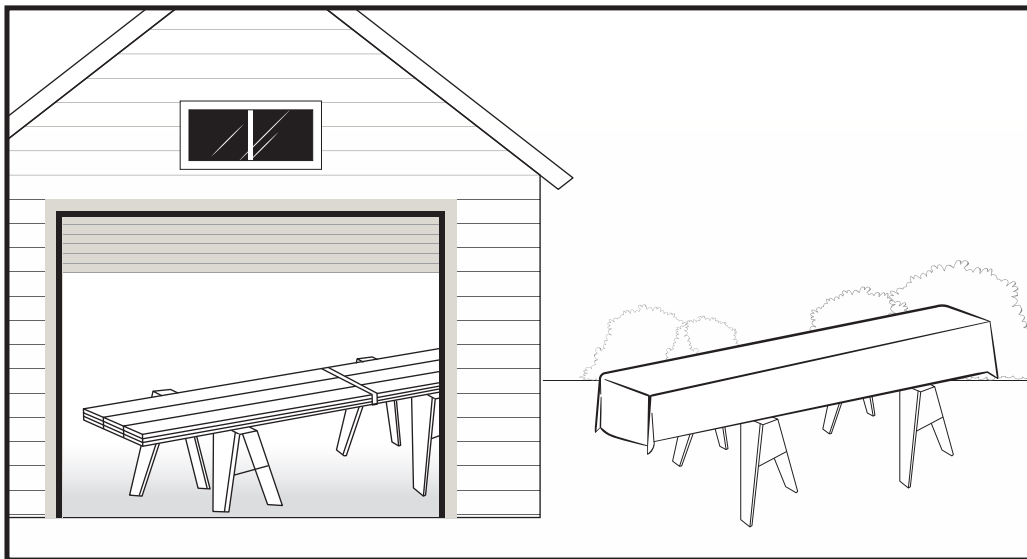
- Store product under a covered area away from the elements or cover with a breathable waterproof cover that allows air to circulate.
- Material must also be kept 12 in. off the ground and on a level, stable surface.
- Protect the product from dirt, moisture, direct sunlight and extreme heat.
- For better finished results, allow the material to acclimate to the local climate.

STORAGE AND HANDLING

JOBSITE GUIDANCE CONT.

When stored in enclosed structures, make sure you have good airflow to reduce risk of moisture collecting on bottom rows of the unit. Stringers are recommended to create spacing between rows. Always protect units from the elements, especially if storing outside.

Product slip sheets are used to help protect the exposed face sides of each board. Retain and use the slip sheets when handling boards. Never stack boards face-to-face without a slip sheet, especially with painted finished boards.



INSTALLATION REQUIREMENTS

In order to maintain the quality of UFP-Edge Thermally Modified Wood Siding for years to come, follow the Installation and Maintenance Instructions provided, along with industry “best practices” for wood construction materials.



Do not install in any structural or load-bearing application.

Do not allow ground contact

Do not place in direct contact with concrete, masonry, patios, porches, roofs or rigid foam insulation.

Do not install where water sprinklers can regularly wet.

Do not install in a manner that allows water to be trapped behind boards.

Do not use caulking sealant as a substitute for flashing.

Do not prime or finish coat wet material.



Do follow all local building code regulations.

Do follow UFP-Edge recommended installation instructions.

Do ensure the safety of everyone on the jobsite, including wearing the appropriate safety gear.

Do conduct annual inspections to identify maintenance needed.

Do follow all coating manufacturer label instructions for finish coating applications.

Do protect all material prior to installation by storing inside a structure or under lumber wrap, and above ground.

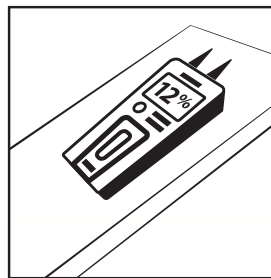
Do be aware of potential moisture control issues and address during installation.

MOISTURE CONTROL

Lumber and finish issues typically result from moisture, which causes the lumber to expand and contract at a greater rate, causing nail pops, splitting, checking and paint degradation. Proper handling and building practices can prevent most performance issues.

UFP-Edge products should only be applied to structures that are well ventilated and dry. Never install over wet sheathing! The structure must be wrapped with a moisture-resistant barrier, and all windows and doors must be flashed and taped appropriately. Consult with local building codes for proper procedures for handling moisture and water vapor.

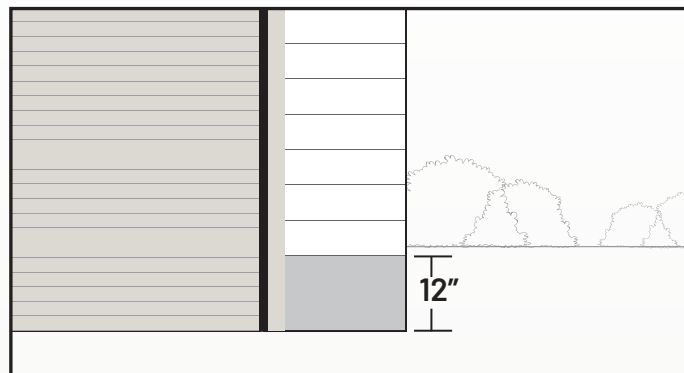
Lumber and finish issues typically result when moisture content is above 18%.



CLEARANCES

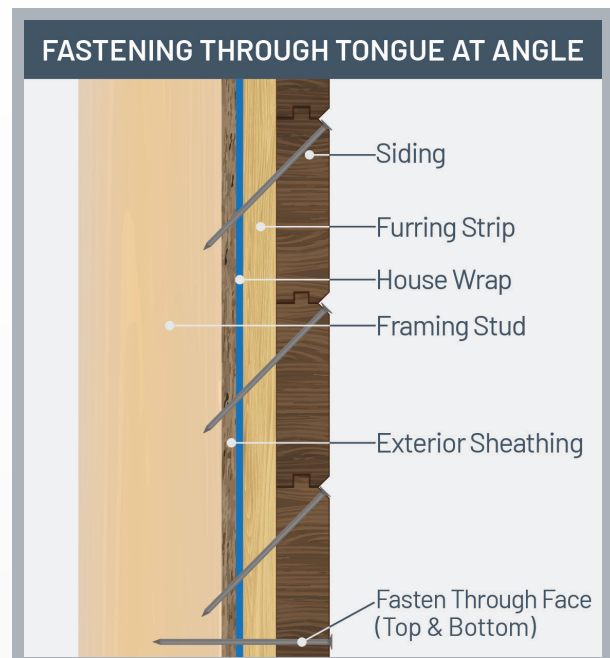
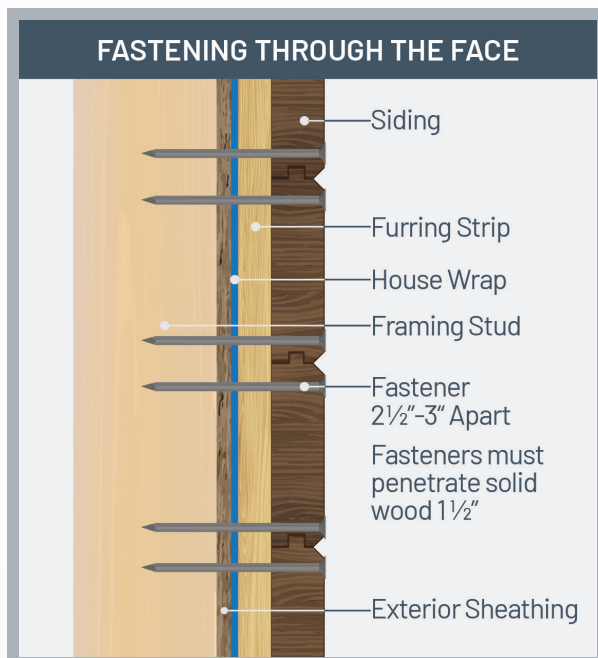
Adequate clearance above all horizontal draining surfaces, such as doors, windows, or roofing, is required. Leave a minimum ¼ in. gap at the top and bottom of the siding.

Ground clearance of at least 12 in. above finished grade is required for all siding installations. Vertical clearance of at least 2" from concrete slabs, roofing and similar horizontal surfaces exposed to the weather.



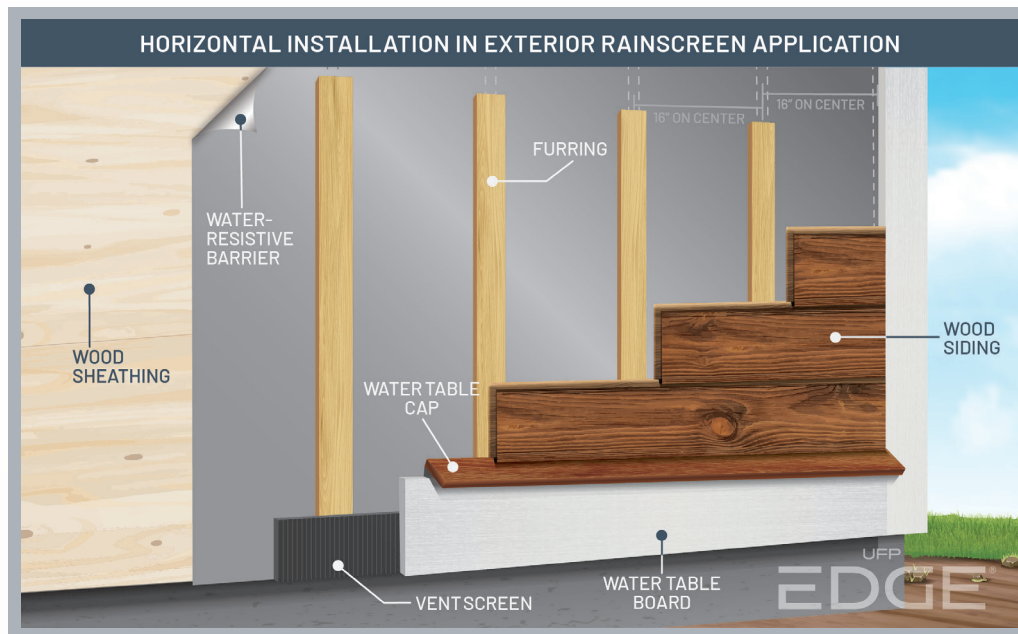
FASTENERS

- The thermal modification process increases the density and brittleness of the wood, making it more susceptible to splitting. It is recommended to predrill holes for all fasteners to reduce the occurrence of splitting. Areas especially prone to cracking, such as the ends of the board, should always be predrilled.
- We recommend fastening with screws for exterior applications. The minimum fasteners allowed in most applications are #8 trim head screws or 6d box or siding nails.
- The fastener length must be long enough to penetrate structural framing, or wood sheathing and structural framing combined by at least 1-1/2 in. For steel-frame buildings, the screws must be long enough to penetrate the thickness of the steel plus 3 threads.
- Stainless steel screws and nails (grade 304) are required for all exterior applications. Their corrosion resistance will keep cladding free from iron stains and structurally sound. Grade 316 stainless steel fasteners are to be used for coastal applications.
- Fasten material from one end to the other. Do not nail from both ends towards the center as this can create undue stress on the wood.
- Screwing through the front of the board (2 screws per joint) offers the best holding ability.
- An alternative fastening method through the tongue, to eliminate exposed fasteners, is acceptable. Boards up to 6 in. (152mm) wide can be blind-fastened, with one siding fastener per bearing toe-fastened through the base of each tongue.
- Fasteners should be placed through the face of the boards to start and end the wall or ceiling to ensure both edges are securely fastened to the structure.



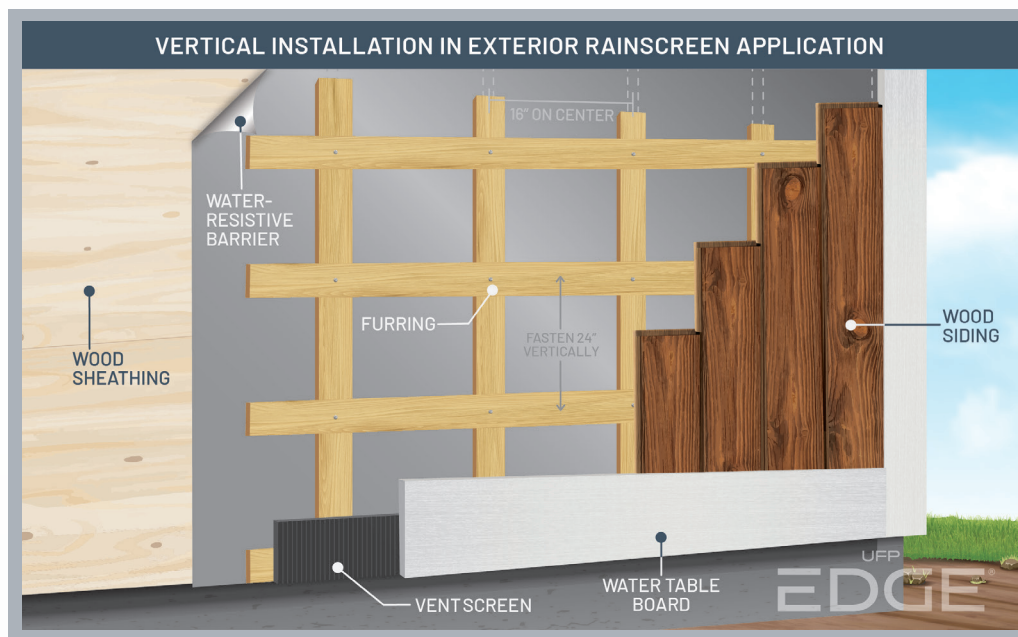
DRAINAGE

- UFP-Edge siding profiles feature a flat back. Installing directly over a flat Water Resistant Barrier (WRB) without accounting for a drainage gap may trap water which can then seep through the WRB and cause damage to the wall assembly over time.
- For best results, it is recommended to install Thermally Modified Wood siding over a rainscreen to allow proper airflow and water drainage. A gap of ½ in. or greater is recommended for proper airflow and drainage of the wall cavity. Furring strips must be fastened directly to vertical support studs, no more than 24 in. on-center apart. Install insect screening at the bottom of the wall.
- For vertical siding installation, attach a second layer of furring strips horizontally, spaced no more than 24" on-center.
- At a minimum, Thermally Modified Wood siding should be installed over a draining WRB, or a drainage mat installed over a flat WRB. These products are designed to provide a minimal drainage gap for water to escape from the wall cavity.



EXTERIOR INSTALLATION

- Finishing/sealing Thermally Modified Wood is recommended on all exposed edges and cut ends for best appearance, performance and durability.
- Tongue-and-groove pattern boards can be installed horizontally or vertically. The benefit of T&G profiles is the interlocking of pieces. The T&G pattern helps reduce the number of exposed fasteners.
- In horizontal applications, start at the bottom and work up, with the groove edges facing downward.
- In vertical applications, start at one corner with grooved edge facing toward the adjacent wall. Use a level or plumb line to ensure that the first board is installed vertically. The grooved edge of the first board may have to be trimmed to ensure a flush fit.
- Ensure the boards are fully set on the previous board and the seams are tight between boards.



BEVEL SIDING INSTALLATION

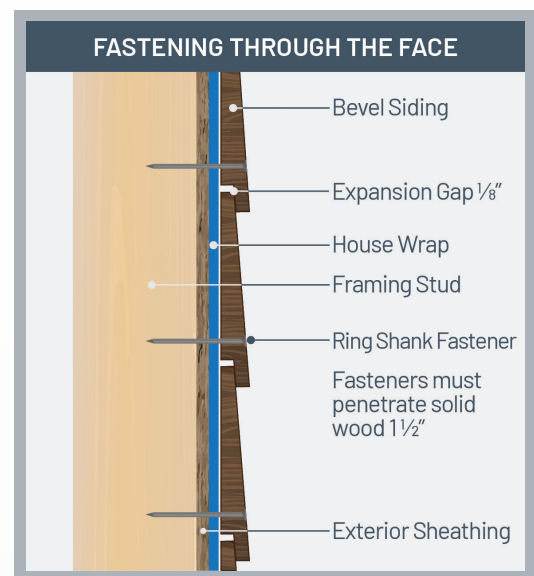
Similar to our T&G siding, our rabbeted bevel profile features a flat back, and requires the same attention to drainage gap details mentioned earlier in this guide. For best results, it is recommended to install over a rainscreen.

Start with the bottom course using a furring strip to support the lower edge. Each succeeding course overlaps the upper edge of the previous one by a minimum of 1/2 in. The rabbeted pattern is self-spacing, but leaving 1/8 in. expansion clearance is recommended. Where possible, the bottom of the board that is placed across the top of the windows should coincide with the window cap.

Bevel siding should be face fastened to studs with 1-1/2 in. penetration into structural framing, or wood sheathing and structural framing combined. Use one fastener per stud location spaced no further than 24 in. on-center. Place fastener just above the overlap. Take care not to fasten through the overlap of two pieces.

Do not reduce the siding overlap recommendations given in the previous installation sections. Doing so could result in damage from wind-driven rain. Take care not to overdrive fasteners when using larger overlaps. Butt joints between boards should be staggered and meet on studs. Ends should be caulked, covered with a batten, or sealed and installed over a strip of joint flashing. Fit siding snugly to other pieces and to trim.

- Apply siding over approved structural sheathing.
- Maximum fastener spacing is 24 in. on-center.
- Fasteners must penetrate wood framing 1-1/2 in.
- Do not use staples. Use only the fasteners specified in these instructions.
- Use only approved methods to protect joint areas.
- Siding must not be in direct contact with stucco, mortar, stone, brick, concrete, masonry or rigid foam insulation.
- Apply siding in a method that will prevent moisture entry into the siding or wall cavity.
- Seal all exposed cut ends using a method that will prevent moisture intrusion.
- Maintain the proper clearance from the siding bottom drip edge to the finished grade, walkways and adjacent to the roof lines.

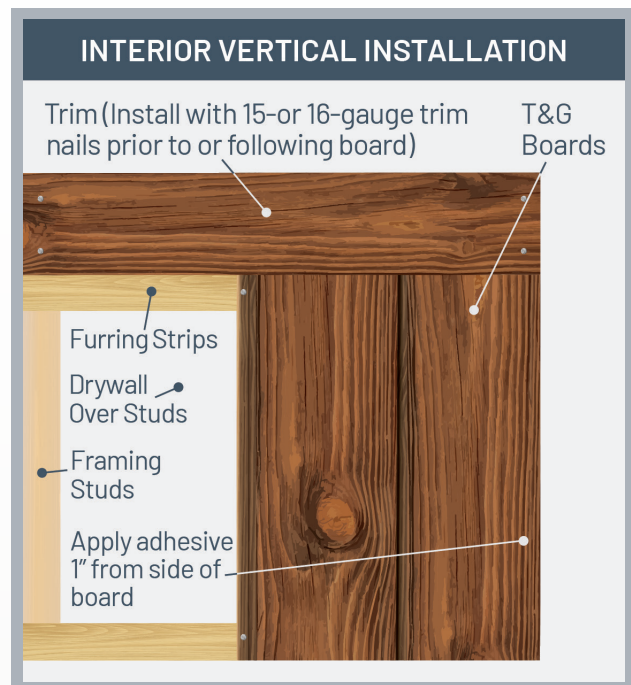
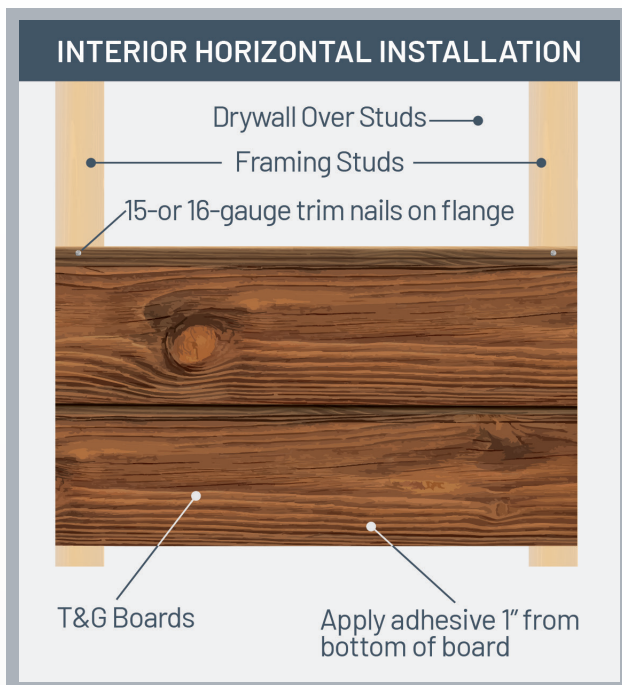


INTERIOR INSTALLATION

NOTE: Thermally Modified Wood being installed in a conditioned interior space must be acclimated to the conditioned space for a minimum of 72 hours before installation.

- When installing Thermally Modified Wood horizontally on the interior wall of the home, or perpendicular to ceiling studs, it is not necessary to install over “batten strips” or rainscreen.
- Use a stud finder to locate and mark stud locations.
- Place the first board in position and check with a level. The grooved edge of the first board may need to be trimmed to achieve a flush fit with the adjacent floor/wall surface.
- The boards are fastened in a similar fashion as the siding application at each interior wall stud location. Construction adhesive may be used if additional strength is desired, but will not replace the need for fasteners.
- For vertical wall/parallel to ceiling stud installations, furring strips are required to provide the fastening points for the boards. Attach furring strips to each stud location and space no more than 24 in. on-center apart.

Install horizontally or vertically. For horizontal applications, start with the bottom course and work up with overlap pointing downward. Do not fasten through overlaps. T&G siding is tight-fitting, so butt the courses up close.



TIPS & GUIDANCE

WEATHERING AND MAINTENANCE

Depending on your building location and local climate, your project is subject to wear and tear over time. All components of your home will experience aging, and routine maintenance is recommended to maximize performance.

Although the thermal modification process makes our product much different than typical wood cladding, wood is still wood, and it will need maintenance when used for exterior applications.

- All wood naturally weathers and fades to gray, silvery tones over time.
- Each board is unique and weathering may appear uneven at times, impacted by factors such as intensity of exposure to environmental elements.
- For example, south-and west-facing walls will typically fade faster than north-and east-facing walls.

TIPS & GUIDANCE

NATURAL THERMALLY MODIFIED WOOD

- Our Natural Thermally Modified Wood Cladding is unfinished and available in Ponderosa Pine and VG Hemlock.
- Natural Thermally Modified Wood cladding can be left unfinished. Areas exposed to UV will fade and turn gray/silver over time. Each board is unique and weathering may appear uneven at times.
- If the appearance of “Natural” Thermally Modified Wood cladding (Natural/unfinished only) is desired, a UV-resistant tinted clear coat sealer should be applied. Follow all manufacturers recommendations for coating and application. It is recommended to test any coating prior to applying to the entire project.

There are some things you can do to maintain and slow the fading caused by UV rays.

- Before the first winter, apply a tinted clear coat sealer to protect the wood from harsh weather and to reduce the UV degradation.
- Recoat with a tinted clear coat sealer every 2-3 years for about 7-10 years.
- To maintain this look, repeat the refinishing process every 7-10 years, or more frequently as needed.

PREFINISHED THERMALLY MODIFIED WOOD

NOTE: A clear coat sealer is not needed or recommended for factory prefinished boards.

Prefinished boards feature a UV inhibitor to help protect against degradation.

- Our Prefinished Thermally Modified Wood features a factory-applied finish and is available in several on trend colors: Glacier, Timber Ridge, Lost Trail, Big Sky, Wood Smoke, Back Country and Black Forest.
- Refinish siding to prevent a faded, weathered look, generally every 7-10 years, but may be more frequently depending on the amount of UV exposure and the desired aesthetic.
- Before refinishing, wash your siding using a low-pressure garden hose to remove dirt and grime. Let dry at least 24 hours prior to refinishing.
- You may consider wire-brushing your siding before applying a topcoat if there is a build-up of clear sealant that may inhibit the paint or stain from soaking into the wood.
- When refinishing, apply an exterior, premium-grade, water-based stain using the back brushing technique.
- A back brushing technique helps remove some of the excess paint to mimic the original factory aesthetic, revealing a bit of the wood’s color beneath.
- Back brushing needs to be done quickly after the spray application.

TIPS & GUIDANCE

WASHING THERMALLY MODIFIED WOOD SIDING

Thermally Modified Wood Collection requires routine cleaning to best preserve its appearance and longevity. Regular cleaning will prevent any dirt, pollen, mold and debris buildup. Mold and mildew can occur in shaded, wet areas due to natural spores in the environment. The appearance of it is a function of nature, not necessarily a deficiency with any material on which it grows.

To clean wood siding, use commercially approved cleansers with a garden hose or pressure washer.

TIPS

- Keep an 18" distance.
- Use a fan tip nozzle.
- Maintain low pressure (1500-2000 psi) to avoid damage and test on a scrap before cleaning.
- Work from the bottom up to prevent runoff.

SCAN THE QR CODES TO WATCH THE SHORT VIDEOS



Washing with a
Garden Hose



Washing with a
Pressure Washer

WARRANTY

For complete warranty details, visit ufpEDGE.com



Scan the QR
code to submit a
warranty claim.

CONTACT INFO:

UFP-Edge
2801 E. Beltline Ave NE.
Grand Rapids, MI 49525
customerservice@ufpedge.com
844.584.0763

Note: UFP-Edge products are not suitable for structural use. They may not be used for load-bearing applications. The same commonsense precautions should be taken when handling the products as with any wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.

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