

EDGE™

Siding. Pattern. Trim.



THERMALLY MODIFIED WOOD COLLECTION

INSTALLATION & MAINTENANCE GUIDE



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Modified Wood online.

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Inspired Solutions to Elevate Every Build

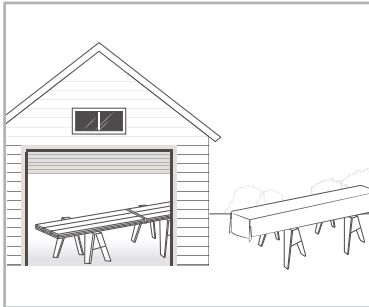
We're not just suppliers—we're creators, pushing the boundaries of what's possible as building materials manufacturers. From our stunning Thermally Modified Wood Collection to the high-performing Timeless wall and ceiling boards and our game-changing EvoTrim™ line, we lead the industry by taking smart risks and crafting products that redefine what's possible.

Our premium siding, pattern, and trim are more than just functional; they're a statement of style, durability, and forward-thinking design. With on-trend finishes, colors, and textures, our products enhance the beauty of any build while offering uncompromising protection. Advanced prefinishing equipment ensures that every board is as easy to install as it is to admire.

TIPS FOR GETTING STARTED

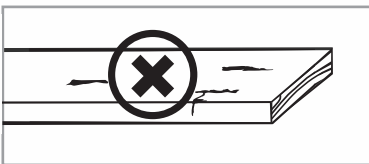
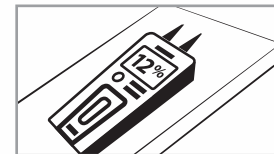
NOTE: Inspect product before installation. Do not install if any material appears damaged or in poor condition. Installation will be considered acceptance of the product. Read all instructions prior to installation; failure to follow instructions voids the warranty.

When 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.



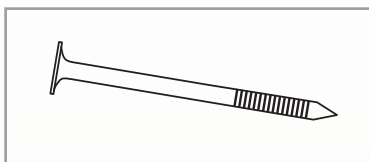
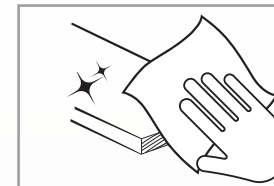
Upon receipt of your product, store it under cover, such as in a garage. If outdoor storage is necessary, keep the product elevated off the ground and wrapped in its original lumber wrap. Always ensure the product is protected from the elements prior to installation. Allow the product to acclimate for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

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.



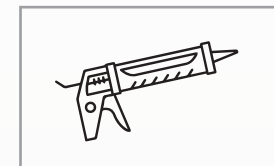
Handle thermally modified boards with care. The tongue-and-groove sections of boards are especially vulnerable to damage.

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.



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

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



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

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

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

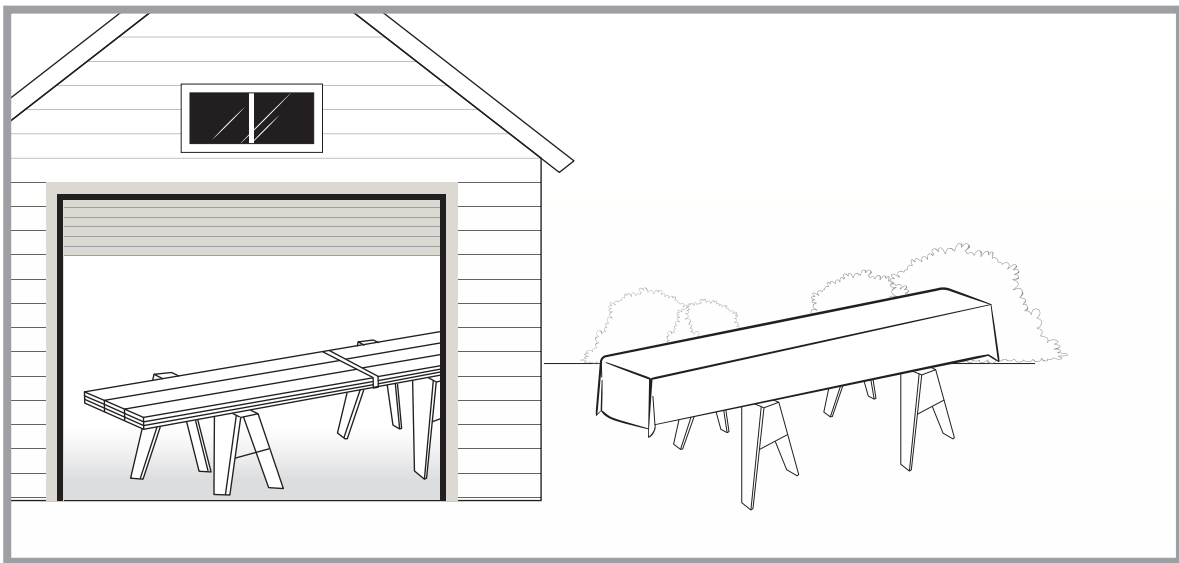
- Store product under a covered area away from the elements or cover with a breathable waterproof cover that allows air to circulate.
- Material must also be kept 12 in. off the ground and on a level, stable surface.
- Protect the product from dirt, moisture, direct sunlight and extreme heat.
- For better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

STORAGE AND HANDLING

JOBSITE GUIDANCE CONTINUED

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 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 Edge recommended installation instructions.

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

Do conduct quarterly 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.

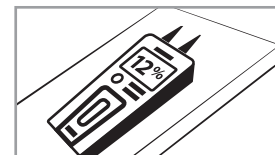
Do be aware of potential moisture control issues and address during installation.

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 minimize most performance issues.

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 water-resistant barrier, and all windows and doors must be flashed and taped appropriately. Provide adequate overhangs at eaves and gables. Consult with local building codes for proper procedures for handling moisture and water vapor.

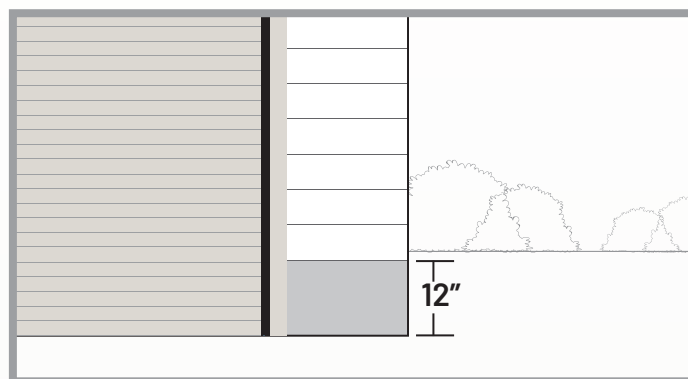
Lumber and finish issues typically result when moisture content is above 18%.



CLEARANCES

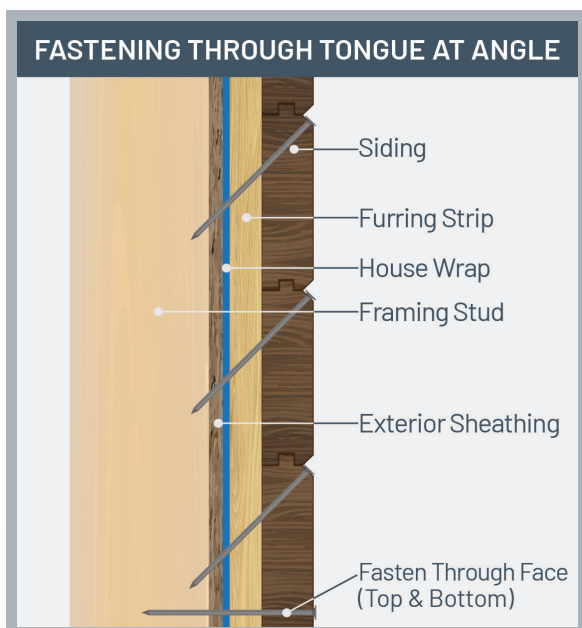
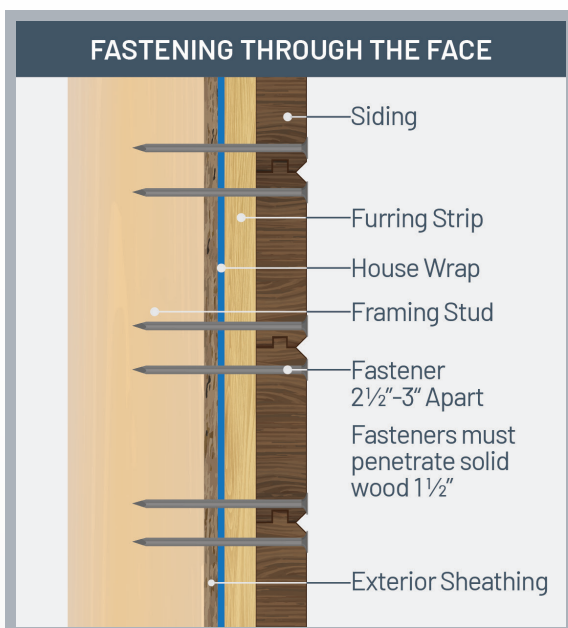
Adequate clearance above all horizontal draining surfaces, such as doors, windows, or roofing, is required. Leave a minimum $\frac{1}{4}$ in. gap at the top and bottom of the siding.

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.



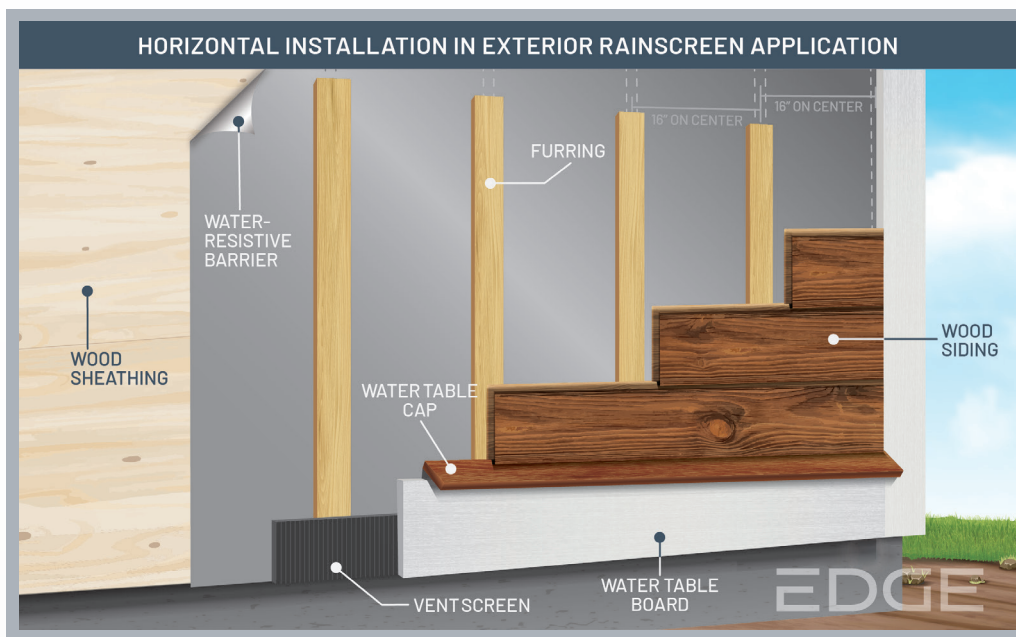
FASTENERS

- The thermal modification process increases the 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, must 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.



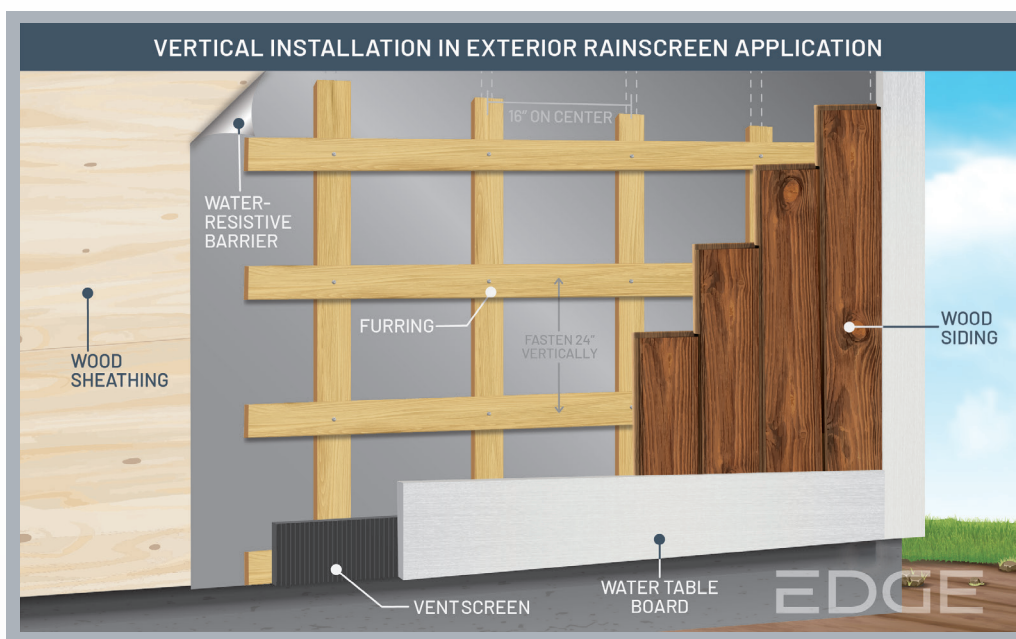
DRAINAGE & VENTILATION

- 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.
- Thermally Modified Wood siding requires a rainscreen installation with a gap of $\frac{1}{2}$ " or greater, to allow proper water drainage and ventilation.
 - Furring strips: Attach directly to vertical support studs, spaced no more than 24" on-center.
 - Other: Alternative rainscreen products or drain mesh may be used, provided they maintain a minimum $\frac{1}{2}$ " gap to allow adequate drainage and airflow within the wall cavity.
- Install insect vent screen at the top and bottom of the wall, and above/below doors and windows. Maintain a minimum gap of $\frac{1}{4}$ " for airflow and drainage. A minimum gap of $\frac{1}{4}$ " between the siding and soffit is required for proper ventilation.
- For vertical siding installation, attach a second layer of furring strips horizontally, spaced no more than 24" on-center.
- Failure to install with adequate drainage and ventilation could result in premature product failure.



EXTERIOR INSTALLATION

- Finishing/sealing Thermally Modified Wood is required 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.



FORGEWOOD RAW INSTALLATION

ForgeWood Raw requires additional attention to detail during installation.

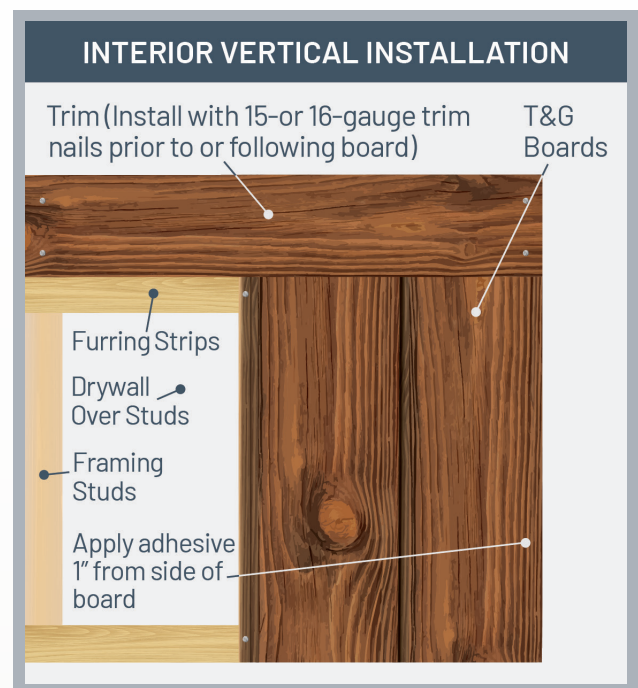
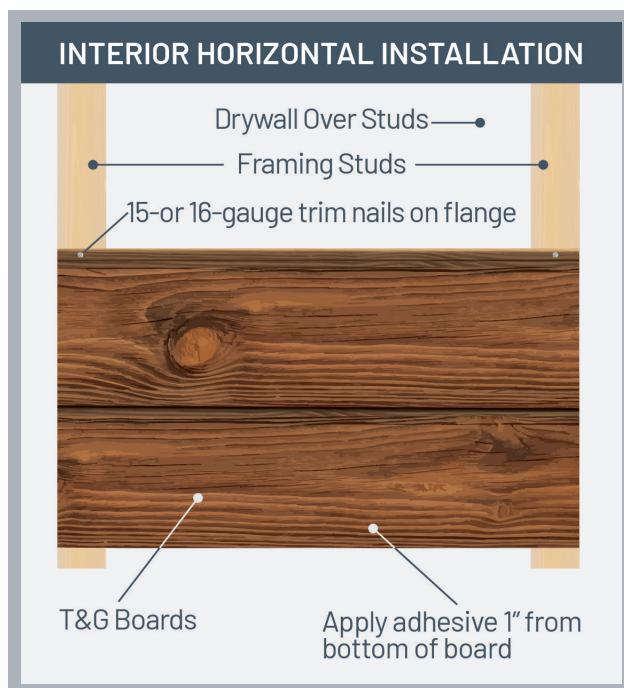
- Following the acclimation period, apply a UV-resistant tinted clear coat sealer (recommended). If a sealer is not applied, accelerated weathering and discoloration will occur, beginning shortly after installation.
- Once dry, visually sort the boards into groups, based on color tone and grain pattern.
- On a clean, dry surface, lay out a few rows of random boards to preview the pattern.
- Begin installing, following the installation instructions, and mix boards to ensure an even distribution of tones and lengths.
- Every few rows, step back and assess the emerging pattern.
- Make adjustments as needed if you notice tone clustering or repeating patterns.

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

The longevity and appearance of your project will be influenced by its location and the surrounding climate. Over time, all components of your home will naturally age, and regular maintenance is essential to ensure optimal performance.

While our thermally modified wood cladding offers enhanced durability compared to traditional wood products, it is still a natural material and will require upkeep when used in exterior applications. Key considerations include:

- **Natural Weathering:** All wood exposed to the elements will lose its original color over time.
- **Humidity:** In dry climates, unfinished thermally modified wood typically fades to a consistent silvery-gray tone.
 - In regions with high humidity, unfinished thermally modified wood may develop a less desirable, darker gray appearance. Coating with an UV-resistant tinted clear coat sealer prior to installation, or purchasing prefinished thermally modified wood, is highly recommended in these regions.
- **Discoloration:** Uncoated thermally modified wood will begin to fade or discolor shortly after installation.
- **Unique Characteristics:** Each board is distinct, and weathering may appear inconsistent depending on environmental exposure.
 - For instance, south- and west-facing walls generally fade more quickly than north- and east-facing ones.
 - Elevation: At higher altitudes, increased UV exposure can accelerate weathering, potentially requiring more frequent maintenance to preserve the siding's appearance.

Routine inspection and care will help maintain the beauty and performance of your wood cladding over time.

Maintenance frequency is largely impacted by the factors above. The example below is a general guide.

QUARTERLY INSPECTIONS

- **Inspect for damage:** Look for fading, checks, warping, or insect activity.
- **Clean the siding:** Use mild wood detergent and a garden hose or pressure washer with a fan tip nozzle and on a low setting to remove dirt, mildew, and debris.
- **Touch up:** Seal any exposed wood with an exterior UV-resistant clear coat sealer tinted to match the siding.

- **Check caulking:** Inspect and replace any deteriorated caulking around windows, doors, and joints.

EVERY 2-5 YEARS

- **Refinish:** Depending on the condition of the finish and your local climate, you'll likely need to refinish every 2 to 5 years.

EVERY 5-10 YEARS

- **Major repairs or replacement:** If pieces are severely damaged, they need to be replaced.

TIPS & GUIDANCE

COMMON EXTERIOR SURFACE ISSUES & RESTORATION

Inspecting the condition of the siding every 90 days is recommended. Addressing signs of degradation as soon as they first appear may prevent a larger remediation project later.

- **Dirt and Grime:** The most common form of surface contaminant is dirt and grime. A periodic cleaning with a mild wood detergent will usually restore the surface.
- **Mildew:** Mildew can form on any surface where dirt and pollen accumulate, especially in the presence of moisture. Clean the siding with a commercial mildew-remover. After the wood has been thoroughly rinsed and allowed to dry, refinish with an exterior UV-resistant tinted clear coat sealer.
- **Rust Stains:** To prevent rust stains, use only stainless steel fasteners for exterior projects. To clean areas affected by rust stains, use a commercial cleaner. Where the stain has penetrated the wood surface, light sanding or brushing may be required.
- **Water Stains:** Water stains can be difficult to remove. Seal all cut ends during installation and follow all guidance regarding drainage, ventilation and ground clearance. Overhangs, gutters and downspouts that direct water away from the structure are recommended. If water stains occur, attempt to clean the siding with a wood cleaner/brightener. Once rinsed and allowed to dry, refinish with a UV-resistant tinted clear coat sealer.
- **Fading or Chalking:** If the siding appears faded and weathered, or begins chalking, it is time to refinish the siding.

TIPS & GUIDANCE

NATURAL THERMALLY MODIFIED WOOD

- Our Natural Thermally Modified Wood Cladding is unfinished and available in Ponderosa Pine, VG Hemlock, and Poplar (ForgeWood - Raw).
- Natural Thermally Modified Wood cladding can be left unfinished. Areas exposed to UV will fade and turn gray/silver. This color tone shift may begin soon after the cladding is installed.
- 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 installing, apply a tinted clear coat sealer to protect the wood from harsh weather and to reduce the UV degradation.
- Inspect quarterly and recoat with a tinted clear coat sealer every 1-3 years, or as needed.

If the siding was left to weather and the appearance is undesirable, it can be restored to closely resemble its original condition.

- Clean the siding with a wood cleaner/brightener.
- Apply a UV-resistant clear coat sealer that's been tinted to the desired color.

TIPS & GUIDANCE

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. Ponderosa Pine: Timber Ridge, Lost Trail, Big Sky, Wood Smoke, Back Country and Black Forest. Forgewood: Tungsten, Steel, Coal and Brass
- Inspect the siding quarterly. If the appearance is beginning to look faded or weathered, it is time to refinish the siding.
- 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 (with a non-ferrous bristle brush) 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.



Washing with a
Garden Hose Video



Washing with a
Pressure Washer Video

WARRANTY

For complete warranty details,
visit ufpEDGE.com



Submit a warranty
claim here

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NOTE: 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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