THERMORY®

Maintenance Guide Cladding

All Thermory exterior cladding boards undergo intense thermal modification and are durable, stable and rot-resistance without additional surface treatment. For Thermory coated claddings, maintenance painting requirements are based on the specific product. Using the correct installation and supplemental maintenance techniques will result in the most beautiful and long-lasting wooden cladding.

THERMALLY MODIFIED

HIGH DURABILITY

STABILITY

CHEMICAL-FREE NON TOXIC

SUSTAINABLE REAL WOOD

Thermal modification is a way of naturally enhancing wood. The chemical-free heat treatment makes the wood extremely durable and stable for both indoor and outdoor use, giving it a beautiful deep shade and bringing out its natural beauty.

Unlike chemical impregnation, Thermory's thermal modification enhances the wood throughout, not just the outer surface. The result is quality boards that are stable and durable in every sense.

Drift Black Pearl cladding few months after installation
Latvia

Thermally Modified Cladding Maintenance Guide

Natural uncoated thermally modified wood does not require any special care. Thermory's thermally modified cladding boards are durable and remain weatherproof for decades, even in the most demanding climates. To ensure that the wood lasts as long as possible, it is important to follow correct installation and maintenance techniques.

If using thermally modified cladding boards **indoors**, you'll be able to enjoy the beautiful deep wood tone for decades. If the wood becomes dirty, simply wipe off any dirt or dust with a cloth, or wash with water and a soft brush.

When using the boards **outdoors**, the surface will turn silver-gray over time, juist like any other wood product, this is a natural result of UV radiation. The process starts immediately after the products are installed and can take anything from a few months to a few years depending on the intensity of UV radiation they're subjected to.

Keep in mind that wood is a natural material and so any color changes may be uneven. Each board ages in its own way, and different sides of a buliding's facade will also age differently depending on the sun and rain they're exposed to.

After installation — Unoiled wood exposed to UV light

If you want to maintain or change the color of your thermally modified wood cladding:

- Thermory cladding boards can be protected with a coat of UV-resistant pigmented finish such as wax, stain, paint or mineral oil to reduce discoloration or freshen up their appearance.
- To restore the original color of your thermally modified wood cladding, the first step is to remove the discolored layer by sanding or brushing the wood before cleaning any dust from the surface. Next, apply a UV-resistant pigmented finish such as wax, stain, paint or mineral oil, which will help the color to last as long as possible. Restoring the original shade of thermally modified wood cladding is a lot of work – simply cleaning the surface and giving the cladding a new look with a UV-resistant pigmented finish such as wax, stain, paint or mineral oil requires much less time and effort.
- If you want the wood to turn gray over time while still minimizing natural cracking, finish the wood with a colorless pigment free oil.
- If you want to create a specific tone for the thermally modified wood, but maintain an attractive translucent surface, choose a UV-resistant wood preservative that is tinted with the desired color.
- To cover the wood with an opaque color, choose a product that is suitable for thermally modified wood and repeat coating according to the instructions.
- Oil and paint should only be applied to clean, dust-free surfaces.

Cleaning thermally modified wood:

- Thermally modified wood can be washed with a wood cleaner and warm water. Before applying wood cleaner, thoroughly clean the boards with a brush to remove all dirt and debris.
- For rinsing, it's a good idea to use a garden hose with a spray nozzle in a soft shower setting; test it on a small area beforehand. A strong jet of water can damage the wood material and result in an uneven appearance.

When to maintain your outdoor cladding?

- We recommend cleaning the wooden façade if it becomes dirty or mossy, and at least once annually.
- If you want to cover the board with oil or paint, clean the surface beforehand and make sure that the surface is dry before you begin.
- Always follow the instructions supplied by the oil or paint manufacturer, as application and drying times can vary.

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Thermory Benchmark thermo-ash cladding few months after installation. Maidla Nature Resort in Estonia
Photography Elvo Jakobson

Unoiled Thermory Benchmark thermo-ash one year after installation
Denmark

Unoiled Benchmark thermo-pine cladding and roofing one year after installation. Apartments in Poland
Photo and distribution: Komplex Market

Benchmark thermo-radiata pine cladding.
Jack's Point House in New Zealand
Photography Sarah Rowlands Photography

- When using thermo-radiata pine cladding for exteriors, we recommend applying a finish to seal the wood due to its porous structure. Thermory's Vivid7, Vivid10, Ignite5 and Ignite7 products include factory-finished thermally modified radiata pine cladding, for which the product-specific maintenance instructions should be followed. Unfinished radiata pine cladding should be oiled or painted on all four sides with a UV-resistant surface-sealing oil or paint prior to outdoor installation, with the finish regularly reapplied before it wears off. You can also leave your thermo-radiata pine cladding uncoated, but dust and other airborne particles are more likely to adhere to the porous surface of the natural wood.

Finishing the wooden facade:

1. Clean any dust or dirt from the wooden facade using water, a scrubbing brush and if necessary, a dedicated wood cleaner.
2. For finishing, the facade surface must be clean and dry.
3. Use a scraper to remove any excess dirt, loose paint or resin that has accumulated in the surface.
4. Before using a tinted finishing product, mix it thoroughly and test the suitability of the shade on a small area.
5. We recommend using the tool suggested by the manufacturer of the finishing product.
6. Apply the finishing product along the cladding board according to the manufacturer's instructions.
7. We recommend following the instructions provided by the manufacturer as application and drying times can vary.

Thermory Coated Cladding Maintenance Guide

If you use coated cladding boards in dry indoor conditions, they don‘t require any additional finishing.

Drift by THERMORY®

DRIFT BY THERMORY

Drift by Thermory imitates the look of reclaimed wood, mimicking products that have been painted in different color tones over the years. Over time, these tones wear off to give the same look as old reclaimed wood – different tones weather out to the surface of the cladding, therefore repainting is neither necessary nor advised. As a paint-free cladding option, Drift by Thermory does not have a coating service lifetime.

- As Drift products weather over time, the intended reclaimed wood look becomes more prominent. Fading, discoloration and minor flaking occur naturally when the wood is exposed to the elements, and these are not considered product defects.
- Cleaning is important for Drift cladding – if your walls become dirty, clean the surface with water and a soft brush.
- We recommend leaving Drift cladding to weather naturally rather than repainting it, but if you would like to update your cladding with a fresh new look, it can simply be repainted with any paint that is approved for use on exterior thermally modified wood cladding. Test the suitability of the hue on a small area before applying the finish, and follow Thermory‘s finishing maintenance instructions.

Drift Black Pearl thermo-spruce cladding. Private house in Latvia
Photography Madara Gritane

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After installation

Coated cladding exposed to UV light after 3 years, the southern side of the house in Estonia

Drift Platinum and Sandy Pearl thermo-spruce cladding. Private house in Estonia
Foto Aivo Kallas

IGNITE BY THERMORY

We recommend performing maintenance painting for Ignite if the paint layer of the cladding board is worn and the appearance has become uneven, and:

- For Ignite 5, at least every five years, with a water-based semi-translucent black paint.
- For Ignite 7, at least every seven years, with a water-based opaque (full coating) RAL9005 paint.

Reapplying the black paint regularly preserves the visual effect of a burnt surface on the wood.

Ignite 5 thermo-spruce cladding.
New American Home in USA
Photography Jeffrey A. Davis

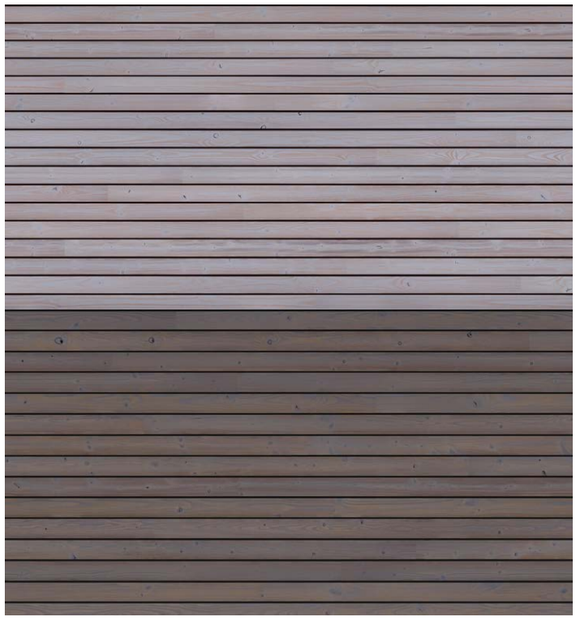
THERMORY VIVID SERIES

VIVID SILVERED

Vivid Silvered brushed and gray-tinted products do not require any special care other than cleaning, as their appearance harmonizes with the natural gray tone of the wood over time.

- We recommend leaving Vivid Silvered cladding to weather naturally rather than repainting it, but if you would like to update your cladding with a fresh new look, it can simply be repainted with any paint that is approved for use on exterior thermally modified wood cladding. Test the suitability of the hue on a small area before applying the finish, and follow Thermory's finishing maintenance instructions.

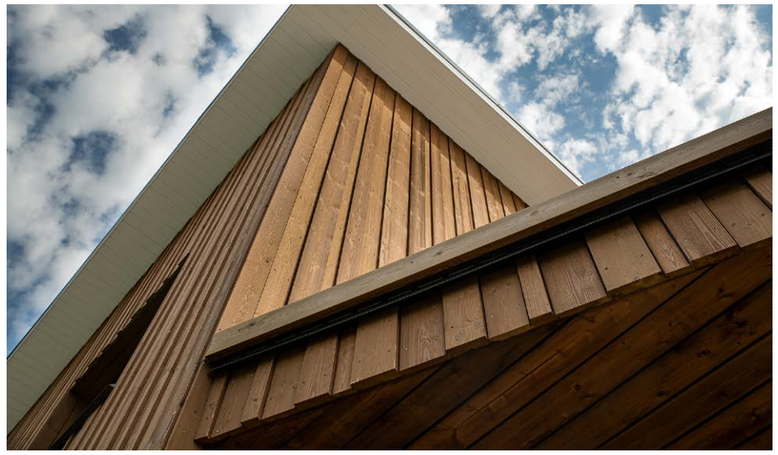
If the wall becomes dirty, clean the surface with water and a soft brush.



VIVID TRANSLUCENT 7

Vivid Translucent cladding boards are covered with a semi-transparent finishing agent. We recommend carrying out maintenance painting when the paint layer of the cladding board has worn and the appearance is uneven, and at least every seven years.

- To finish, choose a semi-translucent (semi-opaque) water-based paint based on the tone you want to achieve for your façade.



Vivid Translucent 7 Brown. Private house in Estonia
Photography Aivo Kallas

VIVID OPAQUE

Vivid Opaque cladding boards are coated with a full-covering finishing agent. We recommend performing maintenance painting when the paint layer of the cladding board has become worn and the appearance is uneven, and:

- For Vivid Opaque 10 cladding, we recommend applying a maintenance finish whenever the paint layer wears down to leave the cladding board with an uneven appearance, and at least every 10 years, with a water-based opaque paint that is approved for use on exterior thermally modified wood cladding.
- For Vivid Opaque 15 cladding, we recommend applying a maintenance finish whenever the paint layer wears down to leave the cladding board with an uneven appearance, and at least every 15 years, with a water-based opaque paint that is approved for use on exterior thermally modified wood cladding.

Vivid Opaque thermo-spruce cladding. Holiday Houses in Netherlands
Distrubution & Photography InterFaca

Oiled Thermory Benchmark thermo-ash cladding. NOA Restaurant in Estonia
Photography Elvo Jakobson

THERMORY OILED CLADDING

Thermory oiled cladding boards are covered with dark brown or light brown Thermory oil. We recommend using the appropriate Thermory oil color for reapplication. The expected service lifetime of the oil is 1-3 years, depending on weather conditions and the building's location. The oil should be reapplied minimally every three years, but if the existing layer of oil becomes worn and uneven the oil may be applied before the three year mark.

Carrying out maintenance finishing:

1. Remove any loose paint, dust or other dirt from the wooden façade using water and a scrubbing brush.

2. The facade surface must be clean and dry before applying the finish.

3. If using a tinted finishing product, mix it thoroughly and test the suitability of the hue on a small area first.

4. We recommend using the tool suggested by the manufacturer of the finishing product.

5. Apply the finishing product along the cladding board according to the manufacturer's instructions.

6. We recommend following the instructions provided by the manufacturer as application recommendations and drying times can vary.

After usage with certain mineral oils, sponges and mops may spontaneously ignite. Dispose of them safely and follow the recommendations of the oil manufacturer.

Last updated:June 2021.
All previous versions are null and void.