One of the largest wood protection facilities in Europe.

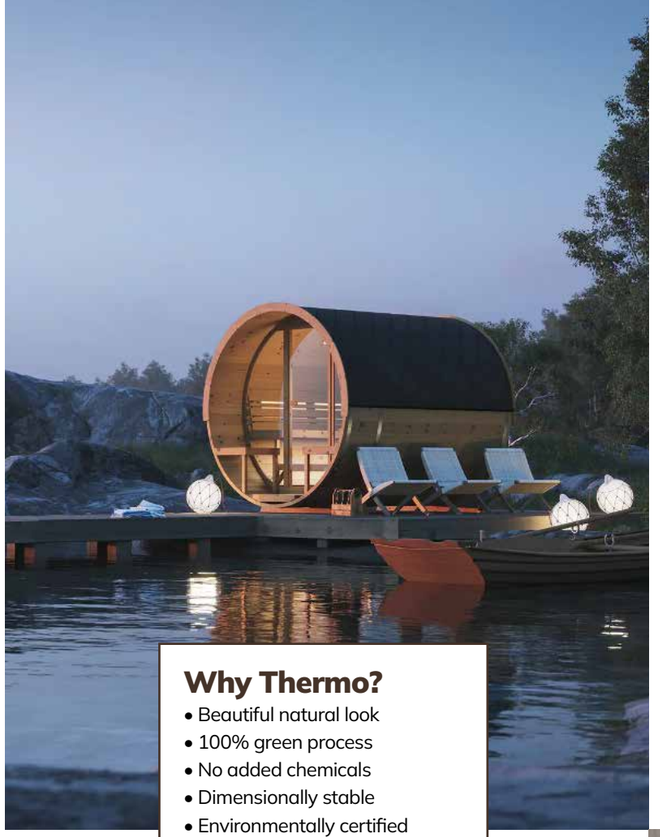
Bitus is one of Europe's largest wood preservation facilities. It is also one of the most environmentally friendly.

The Bitus wood protection facility in Nybro offers traditional wood protection treatment in several different standards. Bitus is the sole producer of Linax, double wood preservative-treated timber. Bitus is also producing Fire Retardant and Thermo-heat treated timber products.

Bitus stocks a large standard range of products for distribution in Europe and customisation is possible.

Contact us with your enquiry or visit our website to see our full range!

WWW.BITUS.COM



Why Thermo?

- Beautiful natural look
- 100% green process
- No added chemicals
- Dimensionally stable
- Environmentally certified
- Requires minimal maintenance
- Ready for immediate installation
- Certified material
- Reduced cracking
- Resistant to rot and fungus
- Increased insulation capacity
- Extented product service life
- Can be combined with Bitus fire retardant

Assembly & Maintenance

- Heat-treated timber requires minimal maintenance.
- UV rays from the sun affects all types of wood species. It is possible to oil the wood to keep the golden brown colour, however without this maintenance Bitus Thermo will turn to grey over time.
- Heat-treated wood has the same protection throughout the product, which is not affected if you drill or cut into it.
- All fasteners must be stainless (A2) or acid-resistant (A4) in severe climates.
- Decking must be installed with a gap of approx. 4 mm to allow for air flow.
- Stud distance for Bitus Thermo decking with a thickness of 26mm is a maximum of 450mm. The decking is screwed with 2 screws per stud with a minimum screw length of 55mm in A4 quality.

Full installation and maintenance information.

Bitus

Thermo.

heat treated timber with the highest environmental classification

- Beautiful natural look
- Stable in shape
- No added chemicals

Thermo is perfect for:

- Façade panels
- Decking boards
- Anti-noise fencing
- Windbreaks
- Fencing
- Playgrounds and parks
- Benches and garden furniture
- Indoor panel
- Sauna panel

PEFC PEFC/06-32-178 Promoting Sustainable Forest Management www.pefc.org

FSC www.fsc.org FSC® C100824 The mark of responsible forestry

We heat treat the following wood materials:

- Spruce
- Pine

Are you looking for other types of wood? Contact us with your enquiry

Bitus

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Simply wooden made.

A leading supplier of sustainable wood products that benefit customers and society.

Bitus wants to increase conscious building with quality renewable materials that last longer. With stylish design, Bitus offers sustainable landscape products, facades and construction materials. With our expertise in wood together with innovation, we want to build our customers' trust.

Bitus for the environment.

Bitus operates in Sweden, the UK and the Baltics.

Our raw material comes from responsibly managed forests. We utilise all the raw material during production. What doesn't become planks and boards is used to produce pellets.

We work continuously to reduce our climate footprint, among other things by gradually switching to the latest technology and actively influencing our subcontractors.

Here's how it works.

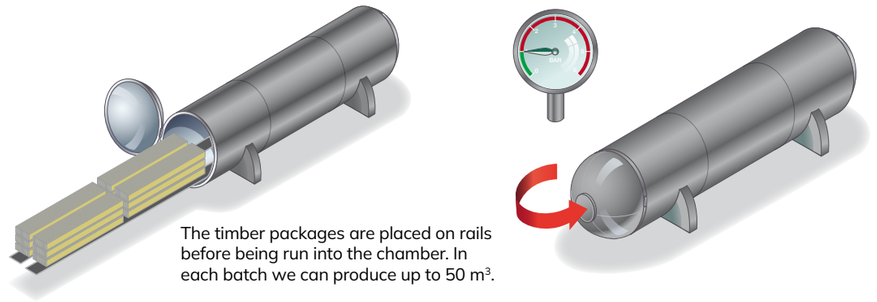
The heat treatment process involves placing the wood in a chamber and heating up the wood to 200ºC. The high temperature causes a series of chemical and physical processes to start in the wood. The result is a product that has increased stability in shape and above all more resistant to rot and fungus in outdoor environments, without adding any chemicals. The product also takes on an attractive brown shade.

Heat-treated wood is often called "Thermo-wood", but only the specific technique using steam can be called Thermowood. The only difference between steam and vacuum products is how they are produced. The end product is still the same.

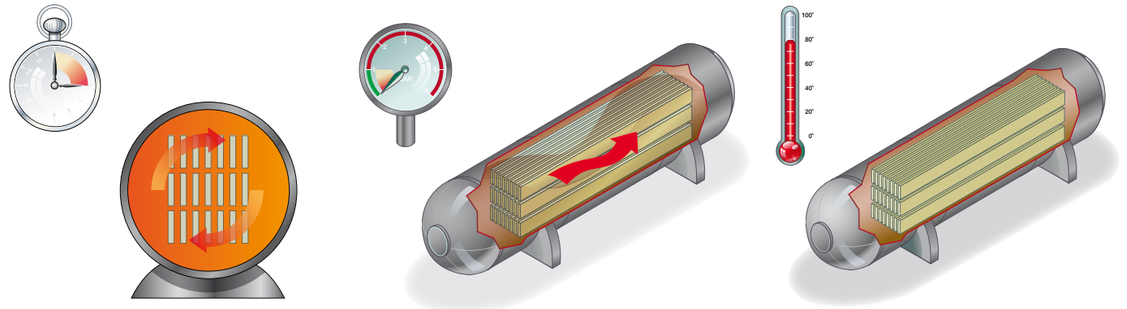
The Thermo Vacuum Systems used by Bitus is gaining ground in the world thanks to superior safety. They have double safety systems, in addition to the fact that the process takes place in a completely oxygen-free atmosphere, thanks to the vacuum.

Thermo. Heat treated

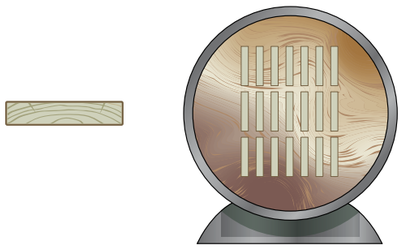
Steps in heat treatment



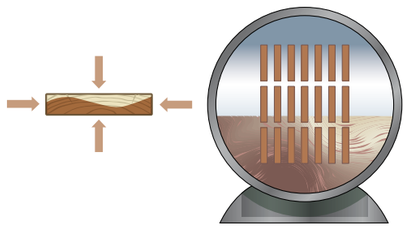
The timber packages are placed on rails before being run into the chamber. In each batch we can produce up to 50 m^3.



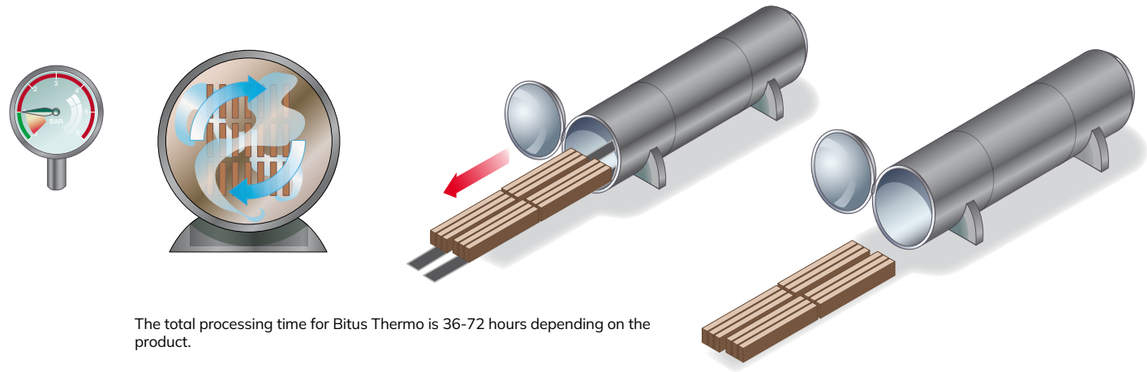
The wood is treated to over 200 degrees under vacuum conditions.



Excess water runs out and is disposed of. It is completely harmless to the environment, as there are no added chemicals.



The product is then gently dried and the result is a wood preservative-treated and shape-stable product.



The total processing time for Bitus Thermo is 36-72 hours depending on the product.

Here's how it works.