

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 Fire Retardant?

- Biodegradable
- 100% natural treatment
- Oxygen blocking
- Highest fire rating for wood
- Safe to handle
- pH neutral

We fireproof the following wood materials:

- Fir
- Ash
- Oak
- Pine
- Glulam
- Cedar
- Accoya
- Thermo pine
- Thermo fir



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

Fire classes

A1	Stone, concrete, steel
A2	Plasterboard with thin paper, mineral wool
B	Plasterboard with thick paper, highest grade fire-retardant wood
C	Wallpaper on plasterboard, lower grade fire-retardant wood
D	Wood and wood-based panels
E	Some plastics
F	No requirements, not tested

Bitus fire retardant fulfils Euroclass, EN 13501-1 as follows:

B = Highest class for combustible materials

s1 = Additional classification, best class regarding smoke development

d0 = Additional classification, best class for flaming droplets



Fire Retardant.

100% natural and biodegradable

- Oxygen blocking
- Safe to handle
- Highest fire rating for wood



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THIS IS BITUS

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.



Fireproof construction in wood

Bitus Fire Retardant uses Burnblock.

Burnblock's clear environmental profile, where the product is 100% natural and biodegradable, creates many opportunities for future construction in wood.

The fire retardant impregnation is colourless and is approved for both indoor and outdoor use. The fire retardant impregnation goes right through the entire material, and the amount of salt is carefully balanced depending on the type of wood.

Burnblock fire retardant impregnation of wood achieves the highest class for combustible materials, which is B, s1, d0.

Several different types of surface treatment can be offered in projects.

Contact us with your enquiry!



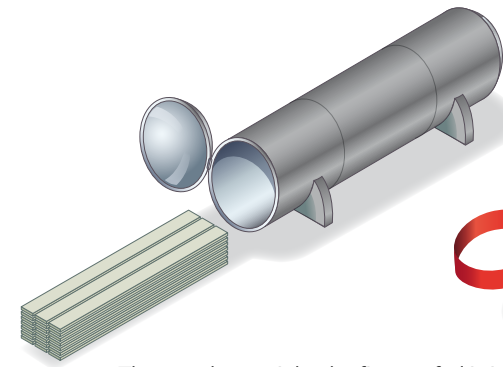
Bitus for the environment.

Bitus operates in Sweden, the UK and the Baltics.

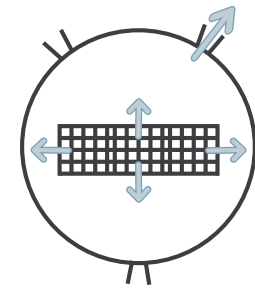
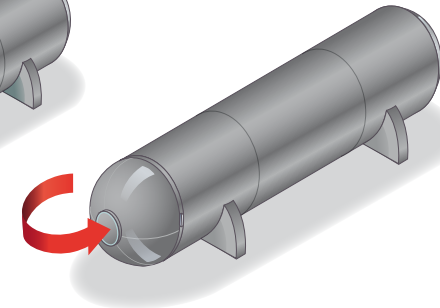
Our raw material comes from responsibly managed forests. We utilise all the raw material during production. What doesn't become planks and boards is used to produce pellets.

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

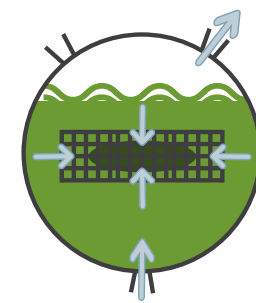
Stages of fire retardant treatment



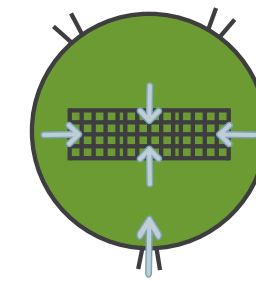
The wood material to be fireproofed is inserted into the tube.



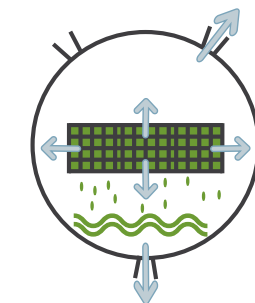
The wood in the tube is put under pre-vacuum, and all the air is sucked out which opens up the cells in the wood.



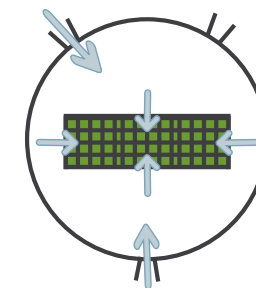
The tube is filled with fire retardant impregnation liquid.



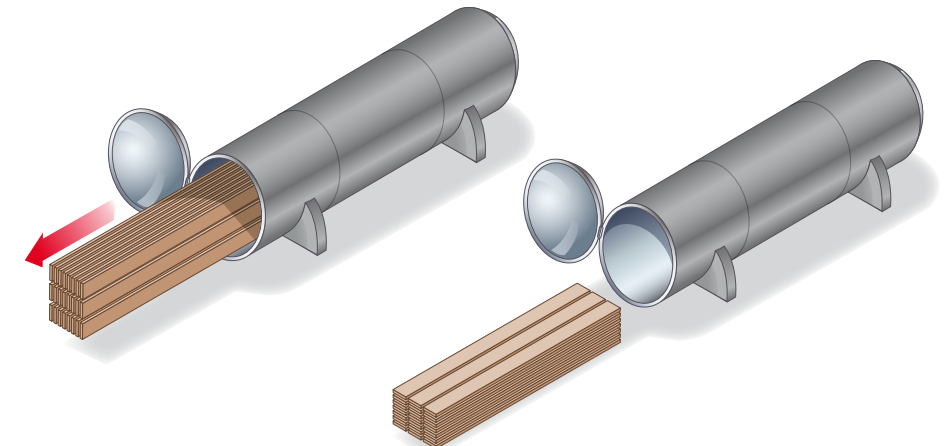
Everything is put under very high pressure.



The timber is fully impregnated with fire retardant impregnation liquid.



The timber is then put under post-vacuum to remove excess liquid.

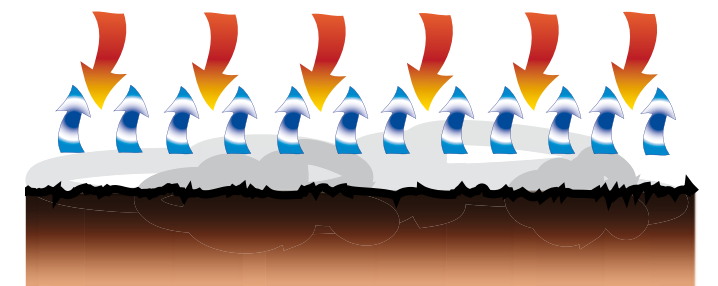


The wood is then dried to the desired moisture content. At the end of the process the result is fire retardant treated wood of the highest class for wooden building construction.

Here's how it works.

When the fire retardant treated timber is exposed to a fire, the fire retardant reacts with the combustible gases and carbonises.

In the event of a fire, the fire dies out when it reaches the charred surface because it cannot take hold of the combustible material.



Fire Retardant. 100% natural and biodegradable

Here's how it works.