

LOTUS TIMBER: TIMBER PROCESSING AND TREATMENT



LOTUSTIMBER

RELIABLE QUALITY AND PRODUCTION FROM ONE PLACE

The professional team at Lotus Timber have extensive experience in the processing and treatment of timber. We can offer an extremely efficient production process, kiln drying, timber planing, cross-cutting and packaging as well as all regular and fire retardant treatments all in a purpose built mill. This allows us to be a flexible partner to our clients for who can produce high-volume batches quickly and of guaranteed quality.

We offer timber treatment with four autoclaves pursuant to NTR, EN, BS, CTB P+, COMO as well as other standards. The annual treatment capacity of our autoclaves is 100 000 m³, the capacity of our planing workshop is 40 000 m³ of finished production and the annual capacity of our drying kilns is 35 000 m³.



The mark of responsible forestry



2358-CPR-015

13
DRY GRADED
NH01 C24
INSTA
142 T2

WE SELL TANGIBLE VALUE

Lotus Timber concentrates mainly on the sales of value-added material. We always offer a wide selection of high-value ready products in big volumes and in addition we sell sawn and profiled material.

Our company meets the requirements of quality management standard ISO 9001.



WE CARE FOR TIMBER AND NATURE

Timber treated by Lotus Timber is well suited for domestic and industrial use and the entire process is environmentally friendly. We use ecological wood preservatives and modern technologies in our treatment plants which will significantly increase the durability of timber and enhance its best properties.



OUR PROFESSIONAL TECHNOLOGIES

All wood processing technologies used by Lotus Timber focus on providing our clients with products which will give as long a service life as possible and to the best quality.

We are the only wood processing company in the Baltic countries offering advanced fire retardant treatment.



WOOD TREATMENT

We offer timber treatment with four autoclaves pursuant to NTR, EN, BS, CTB P+, COMO and other standards.

Our autoclaves are to the following sizes:

- 21 meters (diameter 2.6 m)
- 16 meters (diameter 2.0 m)
- 14 meters (diameter 2.0 m)
- 14 meters (diameter 2.0 m)



TIMBER TREATMENT WITH TANALITH M WOOD PRESERVATIVE

We use Tanalith-M colourless wood preservative. This treatment is ideal for exterior, out of ground contact applications (for instance cladding, cedar shingles and terrace boards).



TIMBER TREATMENT WITH TANALITH E WOOD PRESERVATIVE

We treat general construction, garden and wooden leisure structures as well as industrial components (for instance transmission poles and communication posts).



TIMBER TREATMENT WITH TANATONE WOOD PRESERVATIVE

Timber treated with Tanatone is ideal for fencing solutions and landscaping projects. During treatment a brown colorant is added to the wood preservative.



TIMBER TREATMENT WITH VACSOL AQUA WOOD PRESERVATIVE

During treatment of timber for general construction and joinery applications we add a yellow colorant to Vacsol Aqua wood preservative.



TIMBER TREATMENT WITH A FIRE RETARDANT

Lotus Timber is the only wood processing company in the Baltic countries offering advanced fire retardant treatment. We treat timber with Dricon fire retardant, which conforms to the Euroclass B and Euroclass C requirements of European standard EN13501-1. Our autoclave for treatment with fire retardant is 14 meters long and has a diameter of 2 meters.



WOOD DRYING

We have eight kilns in which we can dry softwood as well as hardwood to moisture content 8-18% +/- 2%. In addition we can offer a heat treatment service. Packaged material is heat treated HT56° 30 minutes.



WOOD PLANING AND TRIMMING

For planing we use WEINIG Hydromat 23 and Weining UNIMAT 500 Profi square planers, with which we can produce almost all board profiles. For cutting we use 2-band band saw WACO/WEINIG BKL TWIN and 1-band band saw BKG-1100A. We can offer cutting to size, centre cutting and 0-45° incline cutting.



WOOD PAINTING

We offer industrial wood painting by dip-coating. For this we have a dipping tank (12.5 m x 1.3 m x 1.3 m). At present we can only use black paint.



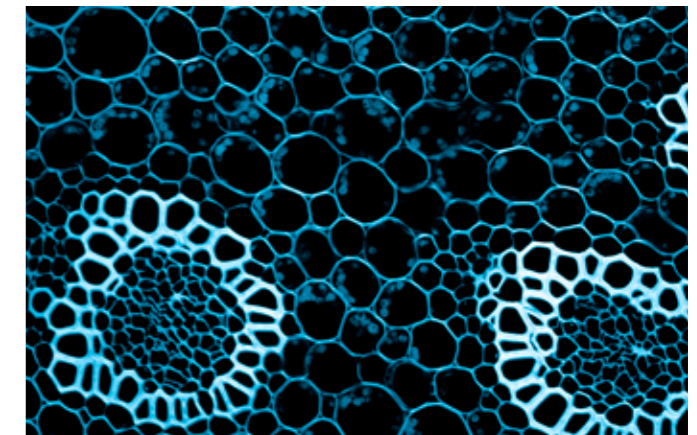
TRANSPORT

From a logistical point of view we are excellently located at the intersection of different forms of transport near Tallinn. In addition we offer a service transporting the material to the treatment facilities and afterwards back to the client.



TIMBER CUTTING, CROSS-CUTTING AND TONGUE AND GROOVE PROFILING WORK

We offer cross-cutting and size cutting with a cross-cutting saw STROMAB and a stack cutter HOLTEC. In addition we can offer tongue and groove profiling with WINTER End Matcher Profiler.



ANALYSES

We analyse wood and treatment agents. For additional information send an e-mail: info@lotustimber.ee



WE OFFER THE MOST ADVANCED WOOD PRESERVATION

The quality and durability of timber always depend on the correct choice of wood preservative. To increase the durability of timber and enhance its various properties Lotus Timber uses the best modern technologies to treat timber. We offer treatment according to specific requirements and based on standards valid in different countries (for instance CTP, TIM, EN, etc.).

ENVIRONMENTALLY FRIENDLY PROTECTION

Lotus Timber uses the products of Arch Timber Protection – the leading name for wood protection worldwide, which offers full protection for many various wood species against fungal decay and insects. As many of our ready products are taken back to nature – on the fields, in the forests and gardens, we use an environmentally friendly Tanalith E 3492 wood preservative, which is an efficient alternative to creosote oils.

Lotus Timber is the sole representative of Arch Timber Protection in Estonia.

SOME EXAMPLES

Tanalith E is a very efficient and reliable wood preservative applied by vacuum pressure. It is ideal to be used for fences, terraces, garden houses, playgrounds and communications/transmission poles. In addition it gives timber an excellent colour resistance in external conditions. Tanalith E has been approved in more than 30 countries worldwide and it has been thoroughly tested in both laboratory and external conditions.

Tanalith E Creol is a durable dark brown treatment for outdoor timber structures. Timber which is pressure treated with this product acquires an even and rich dark brown colour with excellent resistance. Excellent water repellent properties enhance the weathering protection and improve dimensional stability. The top layer bonds with the wood structure and is leach resistant. Tanalith E Creol protects the timber against insect attack and also against fungal rot to give a long service life.



Timber treated with **Tanatone** colour additive is ideal to be used in fences and landscaping applications. This additive is perfect for rough sawn fencing timber and it eliminates the need for brush applied colour at the point of installation. For best results timber should be clean, dry and not influenced by weather conditions.

Tanalised Clear pressure treated timber is protected by a unique metal free wood preservative which also gives the timber an attractive look. Tanalised Clear is ideal for exterior, out of ground contact application. In addition it eliminates the need to pre-treat timber with additional wood preservative.

Antiblu Select is an advanced waterborne timber treatment formulation. It is based on biodegradable ingredients and provides a good and economical protection against sapstain which is the main reason for colour loss and mould

fungi for freshly felled or freshly sawn timber. As affected timber cannot be used for many final applications Antiblul Select can assist in avoiding big value losses.

Ensele is a brush-on, end-grain wood preservative for the re-treatment of cross-cut, notched or bored pressure treated timbers.

Vacsol Aqua is waterborne wood preservative, which is applied to timber using a low-pressure double-vacuum method and which gives an external protection layer to general construction and joinery timber.



UNIQUE AND RELIABLE FIRE RETARDANT

Ensuring the fire resistance of timber is one of the biggest challenges in a construction process and ordinary treatment of timber with fire retardants does not always ensure reliable and even quality. Lotus Timber is the only company in the Baltic countries which has implemented a new technology – timber treatment with a unique Dricon fire retardant.

LONG EXPERIENCE, SUPPORT FROM EUROPE

Dricon fire retardant is a WPA (Wood Protection Association) product which is produced at a specialist treatment centre – the only one of its type in Great Britain. It is a commercially proven global brand, supported by extensive certificates and more than 25 years of fire performance experience.

Dricon has been awarded certificates from institutes in Sweden and Netherlands and it has also been approved by the United States

Army. Dricon is also fully compliant with the requirements of the London Underground and rolling stock requirements of the European railway. Independent test data demonstrated no change in fire performance of treated timber after 21 years in use.

- Approved by WPA for final use in conditions with high moisture content.
- Belongs to Euroclass B and Euroclass C according to European standard EN13501-1.
- Classified as suitable for well-maintained exterior applications under fire retardants class EXT (prEN 15912).

A NEW LEVEL IN FIRE SAFETY

Timber treated with Dricon fire retardant dramatically reduces the rate of flame spread and heat release to allow people more time to

escape in case of a fire. In addition Dricon also significantly reduces smoke emission (smoke inhalation is the primary cause of death in fires); substantially extends the period before “flashover” occurs (the simultaneous ignition of the combustible materials in a confined space) and reduces the damage costs of fire accidents.

BIOLOGICAL DURABILITY WITHOUT THE NEED FOR ANY ADDITIONAL PRESERVATIVE TREATMENT

Timber treated with Dricon from all sides does not need additional treatment with a fire retardant and impregnation is resistant to humidity in excess of 90%. This treatment is non-hygroscopic and non-efflorescent and can be painted or glued, thus giving the possibility

for more flexible shaping of a natural sustainable material. No exudation of treatment chemicals ensures the treated timber is non-corrosive to metal fixings.

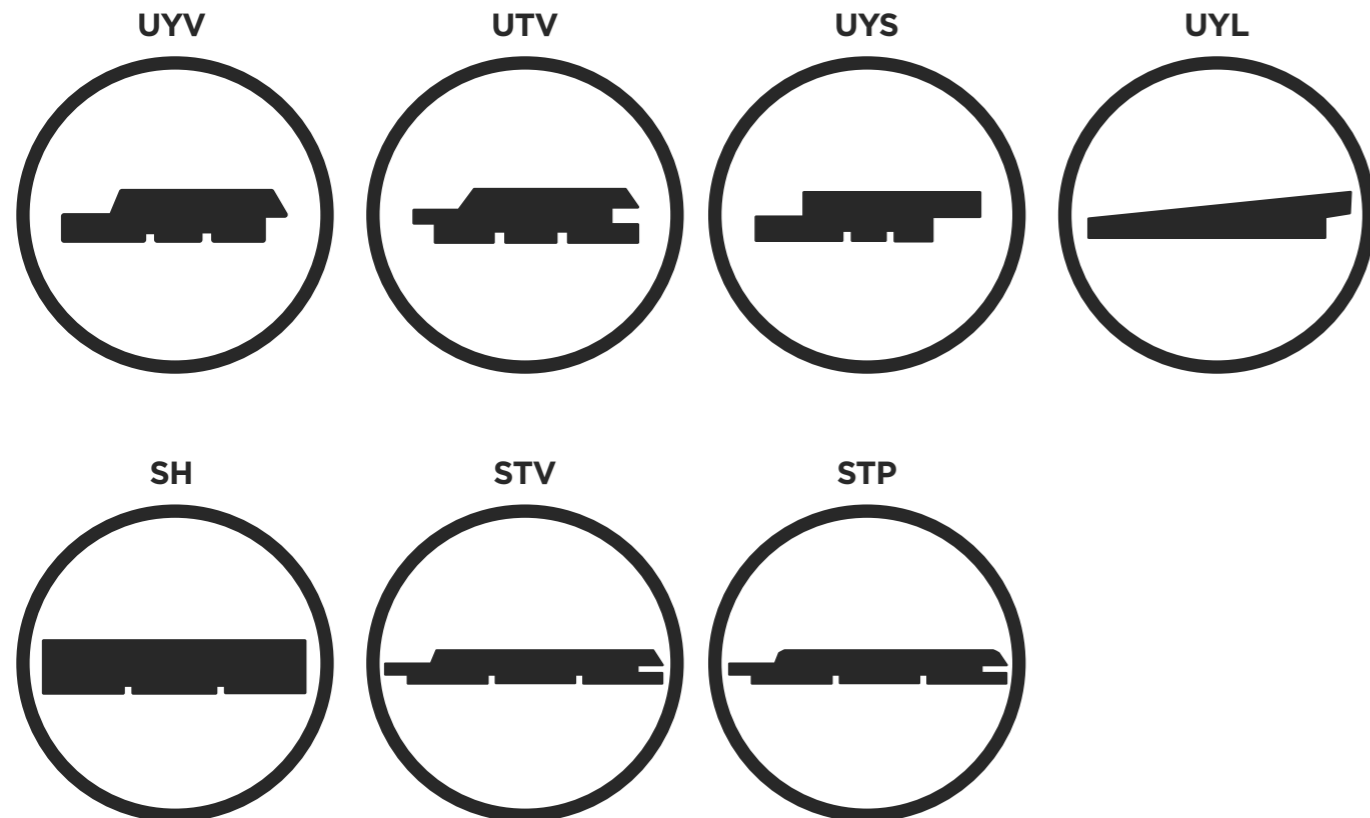
Dricon treatment does not significantly affect the strength properties of timber and board materials, unlike standard inorganic salt treatments. In addition the re-drying process does not affect the mechanical properties of treated materials (compared to untreated materials).





SURFACED TIMBER

Our basic product range consists of cladding boards meant for both internal and external applications. We offer different profiles and are constantly increasing our range. A selection of our main profiles :



MEASURES OF OUR STANDARD PRODUCTS:

UYV 18x95/120/145/170/195
fine sawn surface / planed surface

UTV 18x95/120/145
fine sawn surface / planed surface

UYS 18x95/120/145
fine sawn surface

UYL 18x95/120/145
fine sawn surface

SH 18x95/120/145
fine sawn surface / planed surface

STV 12x95/120
planed surface

STP 12x95/120
planed surface

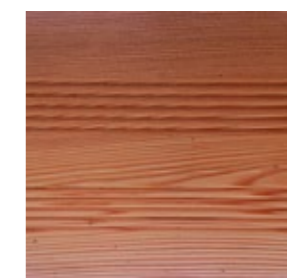
All our cladding boards are made of high-quality pine or spruce raw material and are industrially pre-dried in a condensation dryer to preserve the timber structure and enhance its durability.

In addition to basic profiles we also take custom orders for profiles which were used some years ago (decking, window and door bars, cornices).

TERRACE MATERIALS

We offer terrace materials with various profiles, with brown or green treatment, with sizes 28 x 95/120/145.

In addition we offer terrace material of made of larch with sizes 28 x 95/120/145.





STRENGTH GRADED TIMBER

The need for high-quality and durable frame materials has increased in production as well as in the construction sector. Based on the market demand we can offer visually strength graded and calibrated timber material with strength classes C24 and C18.

Our main material sizes:

45x70	45x145	45x220
45x95	45x170	45x245
45x120	45x195	

We always have sufficient quantity of surfaced timber in stock to offer our clients uninterrupted service and delivery. To ensure the best quality we dry and pre-grade all our raw material before surfacing.



INDUSTRIAL TIMBER PAINTING

Industrially painted cladding boards are a huge help to constructors and clients if working speed is high. Lotus Timber offers industrially primed and painted cladding boards for internal and external finishing.

Timber is primed and painted as quickly as possible after surfacing to ensure maximum bonding of paint on the surface of the board. Boards are finished from three or four sides,

as required. As a standard finishing solution we recommend to our clients an initial priming layer plus two paint layers to give the board the longest possible service life. If required we can also give you advice regarding installation. All materials can be ordered from Lotus Timber with fire resistance class B-s1,d0.

We use only waterborne acryl paints with colour shades from all the most common colour charts.



LOTUS TIMBER



“ We are a company based on Estonian capital. We do our work with high-quality, quickly, openly and flexibly. Our advantage is a quality guarantee and efficiency: the entire production process of Lotus Timber is in one place from the beginning to the end.”

Aare Pilv
Managing director of Lotus Timber

QUALITY

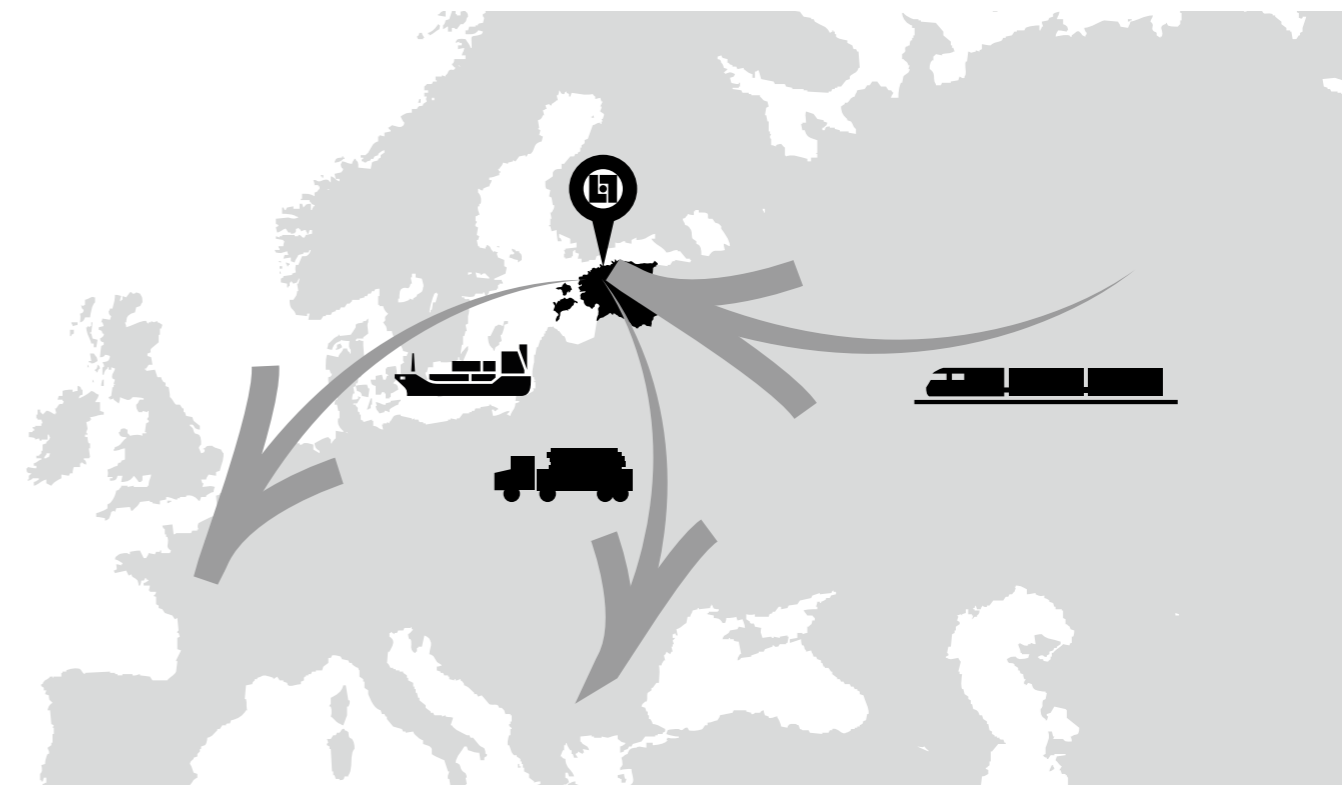
Our company meets the requirements of the quality management standard ISO 9001. In addition we follow wood protecting standards NTR A and NTR AB of Nordic Wood Preservation Council (NTR).

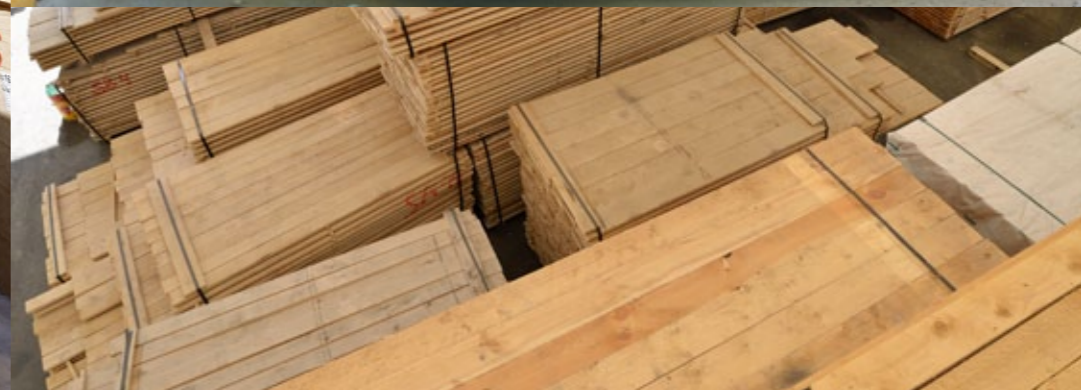
LOCATION

We are located in the intersection of different means of transport in Maardu, a suburb of Tallinn. There are the railways, Muuga container terminal, Muuga Harbour and also the ports of Tallinn close by. The proximity of these various means of transport ensures that orders for our clients are delivered as quickly and smoothly as possible.

FACTORIES

The modern and European production of Lotus Timber is located in Maardu, a suburb of Tallinn. In our facilities we can make the following products from logs: dried, surfaced, treated, painted, cross-cut or sawn poles, bars, beams and boards. Production, reception and delivery of material takes place in our factory 24/7, including public holidays.





WHAT ELSE CAN WE OFFER?

In addition to volume production of value-added material, the product and service profile of Lotus Timber also includes the following:

- Transmission and communication poles made of dense timber specially selected for manufacturing poles. The poles are treated with the best protective products and they preserve their high quality in the most severe environments. The diameter of our poles is the mean value of two crosswise diameters.
- We offer planed (serrated surface) and cut bars for bigger landscaping and garden projects..
- We sell and market sawn timber and surface timber in Estonia and internationally.
- Lotus Timber is the sole representative of Arch Timber Protection in Estonia.

Lotus Timber OÜ
Vana-Narva mnt. 31
Maardu 74114, Estonia
info@lotustimber.ee
Ph +372 636 3165
Fax +372 636 2500
www.lotustimber.ee

WWW. LOTUSTIMBER.EE

Vana-Narva mnt. 31
Maardu 74114, Estonia
info@lotustimber.ee
Ph +372 636 3165
Fax +372 636 2500



European Union
Regional Development Fund



Investing in your future