

NORDIC
HOMES
SOLUTIONS

Ergio Prod

Established in 1993



Tradition

Established in a place with tradition of woodworking, SC ERGIO PROD SRL, since 1993, comes into the European market with a good quality of the products and services, together with innovation and efficiency. Wood is the best material with high thermal conductivity and has been used since the ancient world by builders and architects.

The buildings were built from wood: from a simple wooden fence to homes, churches, royal palaces and fortresses.

The tradition of timber construction has been transmitted from generation to generation, over time. Today, we still can see houses and buildings dating from the past centuries.

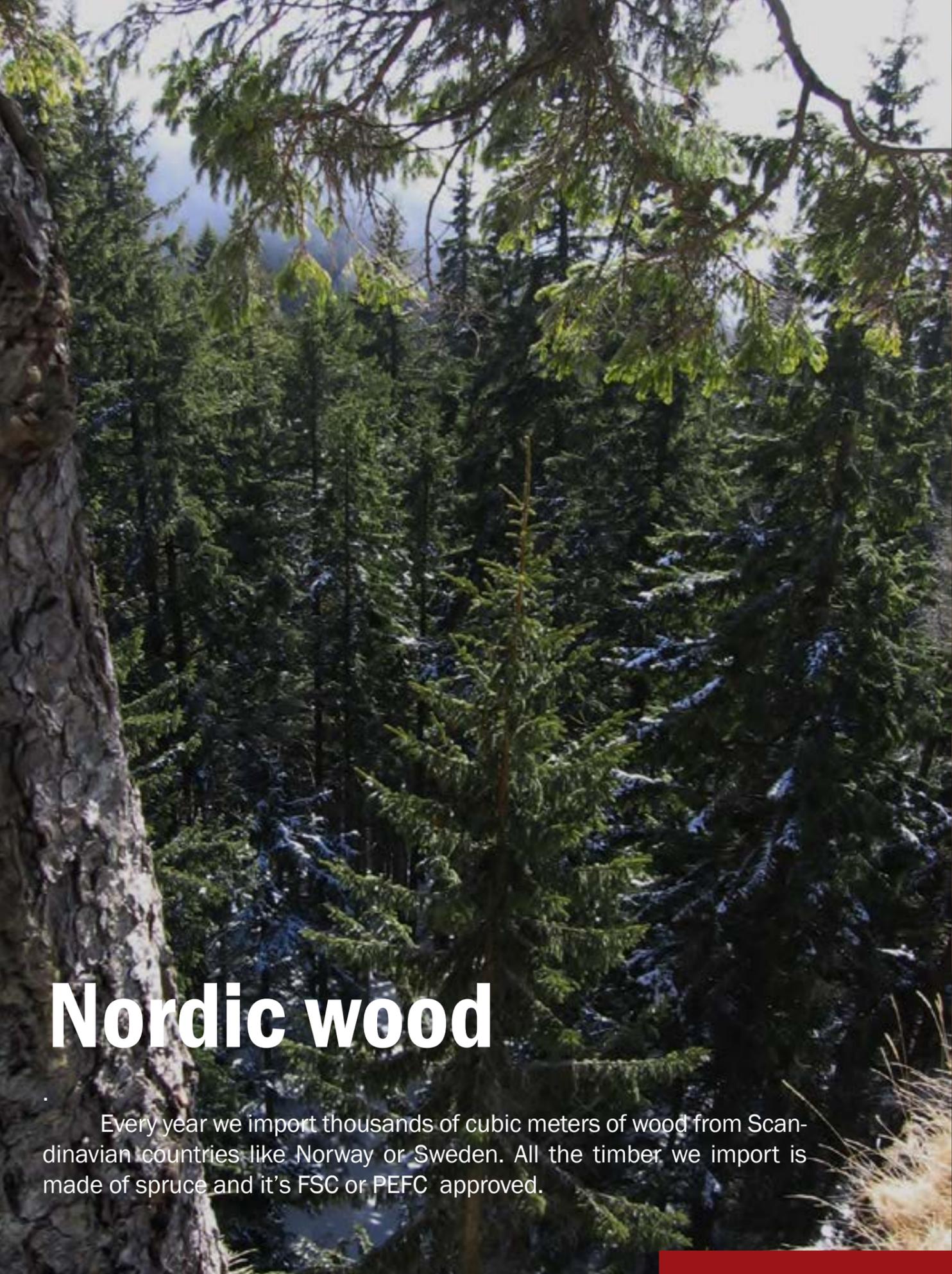
Founded on 26 April 1993, the small workshop where we made garden sheds has become over the years a factory with more than 100 employees, which produce living houses, timber frame buildings, bungalows, passive houses, log

Our history

cabins, pavilions, pergolas.

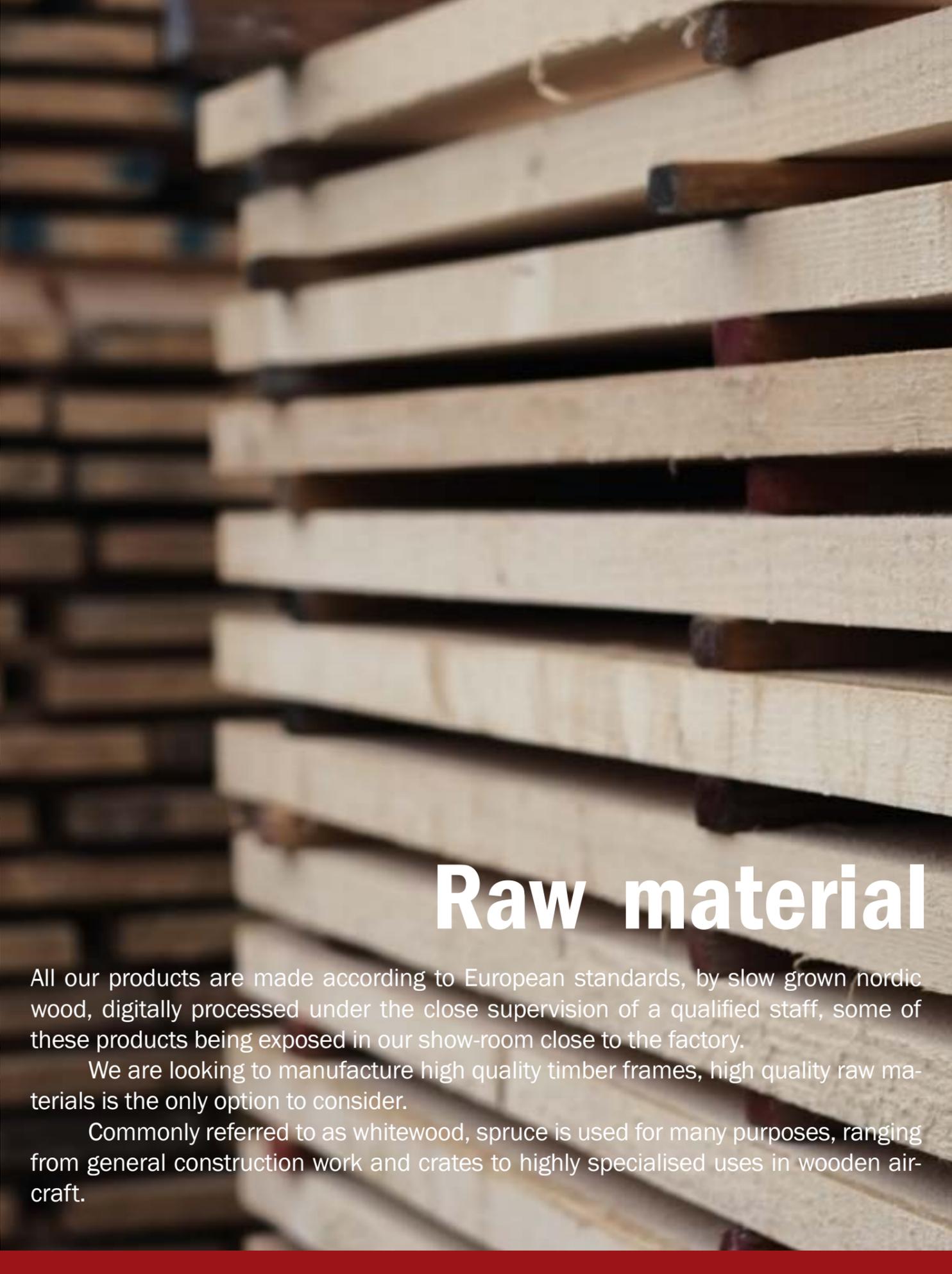
Starting as a family business, from the initiative of the two brothers George and John, the company SC ERGIO PROD SRL offer a wide range of wooden products with a superior quality, using certificated wood, a various range of constructive systems at customer requirements.

At the beginning, it was a small workshop, and the only technological equipment was a milling machine, and the main products manufactured were the garden sheds and children playhouses with 19 mm thickness. Since then Ergio Prod has adapted its production according to the European market, requirements. Over the years the factory has continued to grow, has purchased CNC automatically machineries in order to be able to offer special and high quality wooden products. Ergio Prod is the best choice for wooden houses



Nordic wood

Every year we import thousands of cubic meters of wood from Scandinavian countries like Norway or Sweden. All the timber we import is made of spruce and it's FSC or PEFC approved.



Raw material

All our products are made according to European standards, by slow grown nordic wood, digitally processed under the close supervision of a qualified staff, some of these products being exposed in our show-room close to the factory.

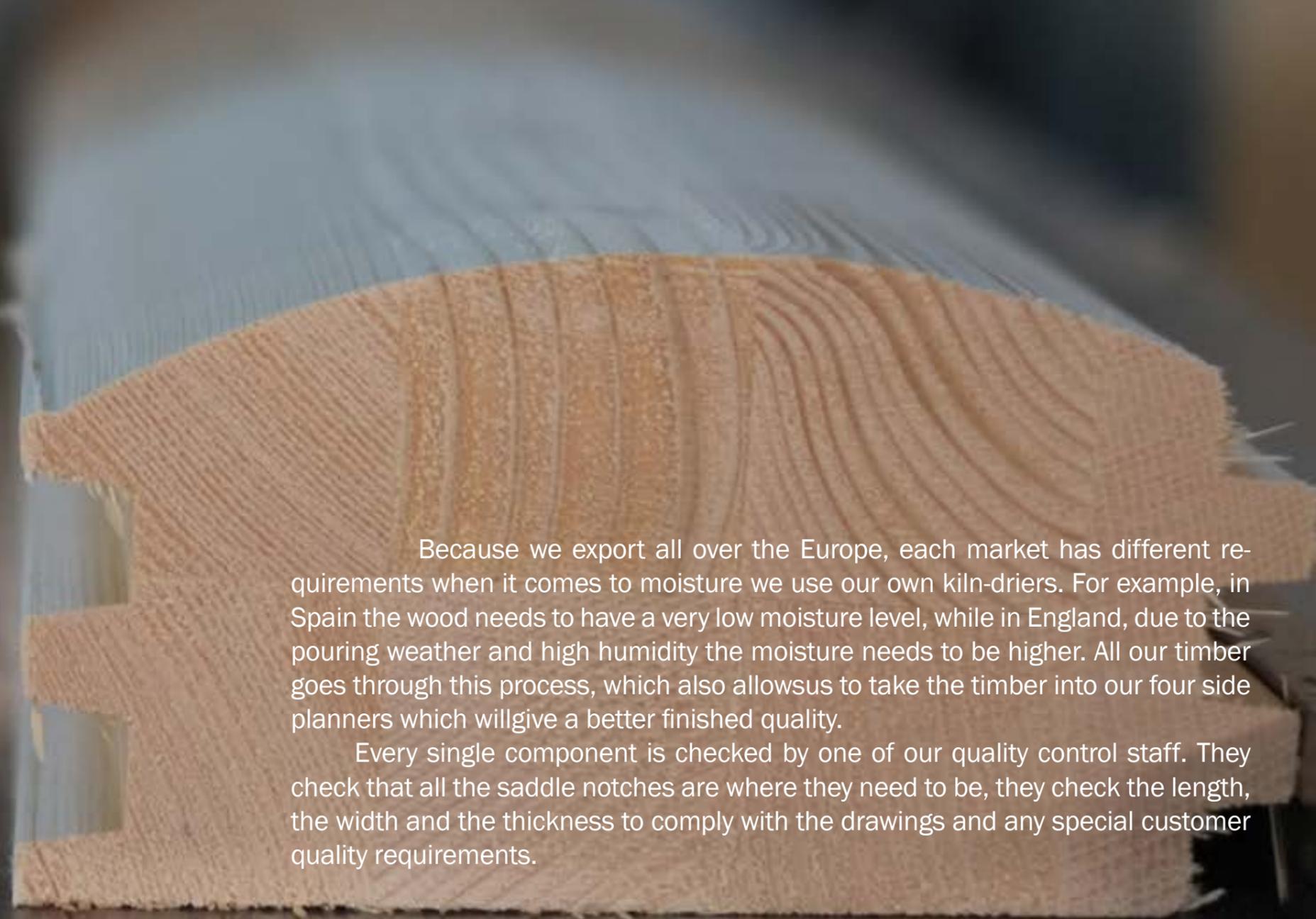
We are looking to manufacture high quality timber frames, high quality raw materials is the only option to consider.

Commonly referred to as whitewood, spruce is used for many purposes, ranging from general construction work and crates to highly specialised uses in wooden aircraft.

Quality

Over 20 years in wooden houses domain brought us a lot of experience and history to our facility. We have grown from a small workshop into a large factory with over 100 employees with a recognized name all over the Europe through the quality of our products.

The impressive number of products and over 20 years of production for European market represents a proof through which the vendors of wooden products had and have in Ergio Prod company the best confirmation of quality.



Because we export all over the Europe, each market has different requirements when it comes to moisture we use our own kiln-driers. For example, in Spain the wood needs to have a very low moisture level, while in England, due to the pouring weather and high humidity the moisture needs to be higher. All our timber goes through this process, which also allows us to take the timber into our four side planners which will give a better finished quality.

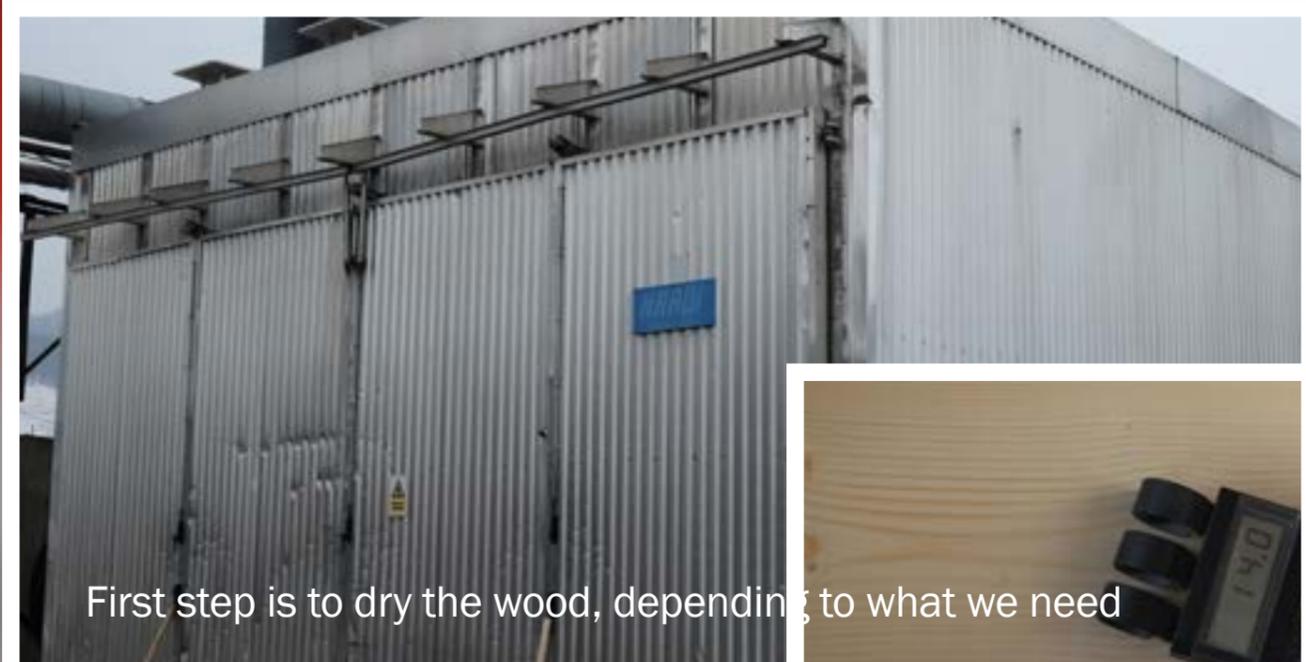
Every single component is checked by one of our quality control staff. They check that all the saddle notches are where they need to be, they check the length, the width and the thickness to comply with the drawings and any special customer quality requirements.



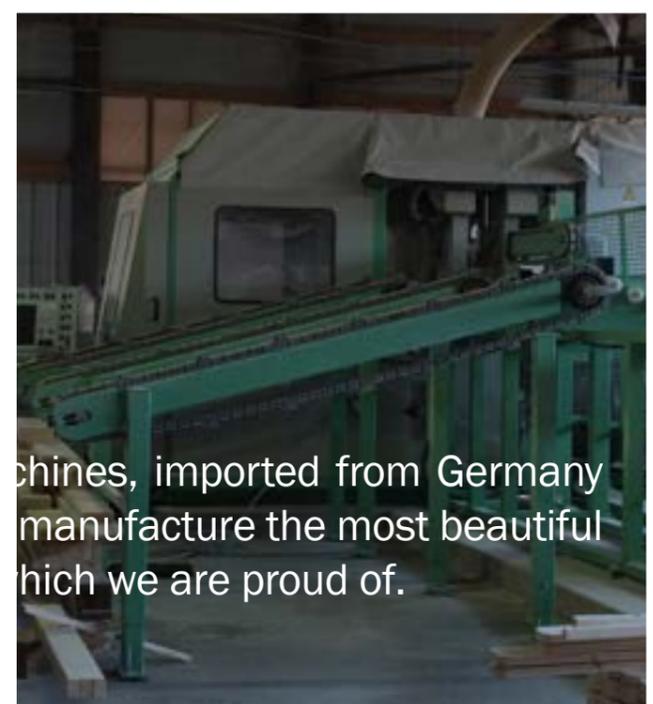
Our Technology

Ergio Prod, specialized in manufacturing wooden products, provides you an entire wood processing technology, through which we are able to satisfy the most demanding requirements of our customers. Due to the numeric center machines, imported from Germany Schmidler brand, we achieve to manufacture the most beautiful and complex wooden houses which we are proud of.

Due to our high technology, as constructive systems regarding holiday homes and living homes, we can satisfy the customer to his requirements. We can manufacture wooden houses made from different log thicknesses, in different constructive systems as followed: simple interlocking system, double wall, dovetail. but also timber frame system.

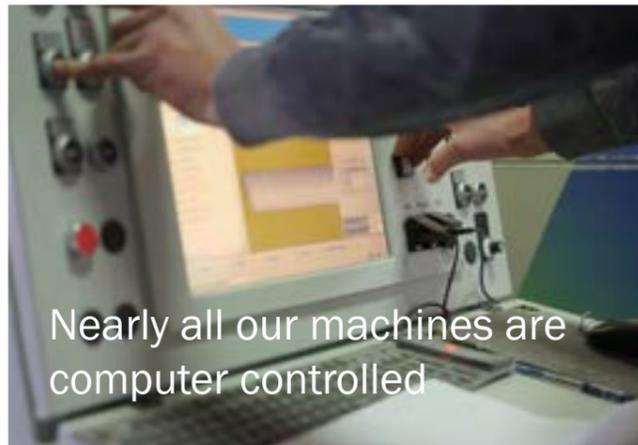


First step is to dry the wood, depending to what we need



Due to the numeric center machines, imported from Germany Schmidler brand, we achieve to manufacture the most beautiful and complex wooden houses which we are proud of.





Nearly all our machines are computer controlled



"0" waste factory



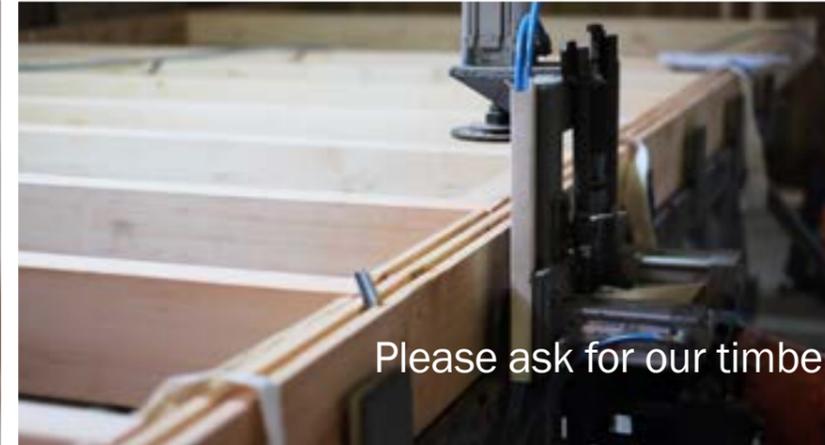
We can manufacture any kind of laminated elements



By the help of the scanner that reads every barcode in part, missing items from the packages is completely removed, because if just one item is missing, the package can not be closed



As latest acquisition in technology we are proud of is the fully pressure treatment autoclave. At our client demand we can treat the products under pressure, with treatment solutions quality certificates, that increase sustainability of wood that comes in directly contact with the ground.



Please ask for our timber frame catalogue



Due to our high technology, as constructive systems regarding holiday homes and living homes, we can satisfy the customer to his requirements. We can manufacture wooden houses made from different log thicknesses, in different constructive systems as followed: simple interlocking system, double wall, dovetail.

Every year we invest in technology and create new range of products in order to satisfy our customers. Due to highly demands for under pressure treated products, we've made in 2013 a new investment - a complete automatic autoclave - in order to manufacture products like: log cabins, terraces, gazebos, stables, stands, a.s.o. These products can now be placed on the seashore or in other areas with a lot of humidity, without additional protection.

The under-pressure treatment is made with chemical agents according to European Standards CSN 49 0600-1 and CSN EN 599-1. The under-pressure treatment is done in depth and protects the wooden elements both inside and outside of the building.

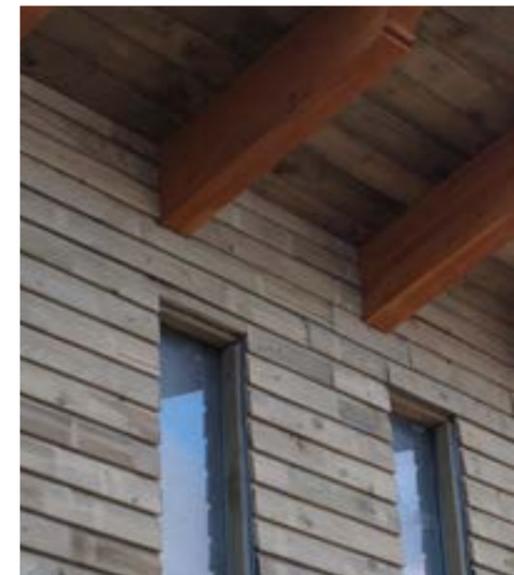
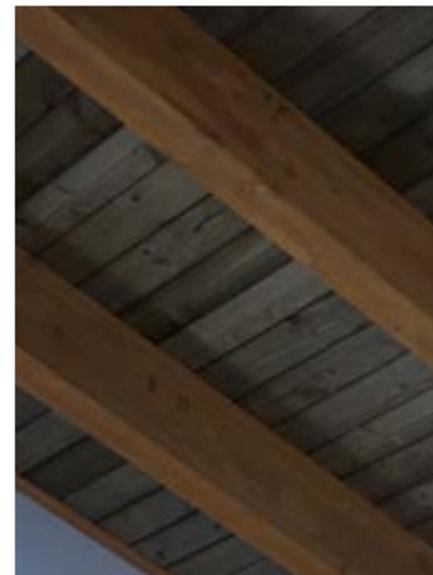
The treated wood surface has no traces of residues or smell. The product warranty is at least 15 years if the wood has no major cracks during and after the assembling.

One of the most efficient and simple solutions to increase sustainability of wood in contact with the ground and in areas with high moisture is the under-pressure treatment in autoclave.

The green colour that results after the treatment brings a greater charm for the product.

This under-pressure treatment manages to prevent negative effects like bad weather or fungi and insects that acts on wood. Through this under-pressure treatment is especially improved:

- increase sustainability of wood in areas with high moisture and in contact with the ground
- resistance to distortion (= swelling and shrinkage behavior due to changes in moisture)
- resistance against fungi and wood harmful insects
- efficacy against mold



Depending on wood species this under-pressure treatment in autoclave significantly improves resistance to swelling and shrinkage which means that your product remains in its original shape after years. The wood is introduced in autoclave. Is created a vacuum - the air is removed from the wood cells. The autoclave is flooded with preservative solution that penetrates wood under vacuum conditions. Hydraulic pressure is applied to force the preservative to penetrate deep into the wood and a

vacuum which extracts surplus final solution and is pumped back into the storage container. Low pressure inside the wood absorbs the solution from its surface when it's placed to the air.

At the end of this process the wood is left to dry in optimal conditions. With this under-pressure process the product is protected against damage both interior and exterior and this significantly increase the sustainability of life for the wood.



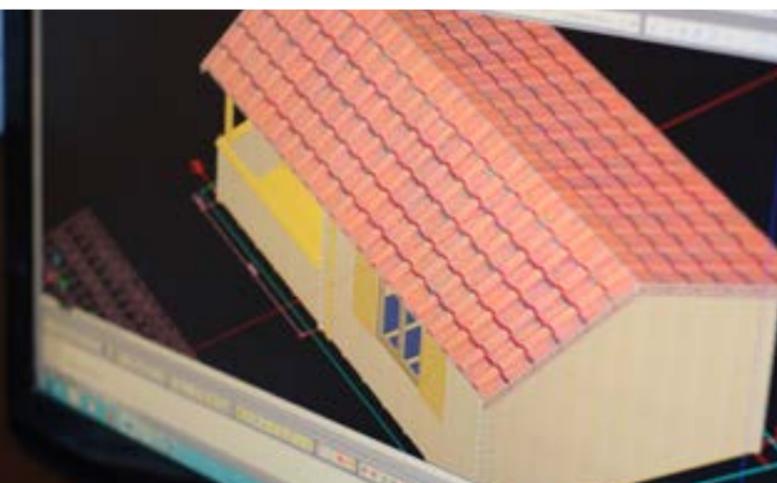
Pressure Treated Wood

How it's done?



Flags of Austria, Germany, United Kingdom, Italy, Spain, Switzerland, Denmark, France, Greece, and Turkey.

We are able to advise and take orders in all European languages

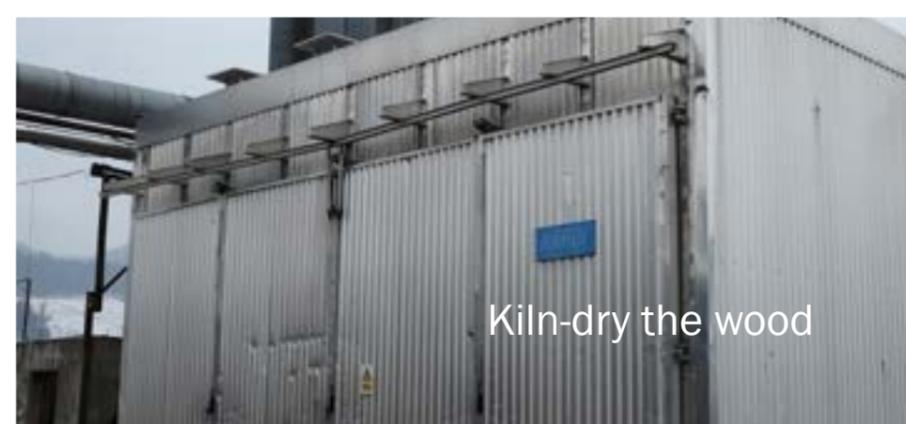


Computer base technology

The milling machine will give the perfect shape we will need for the log home.

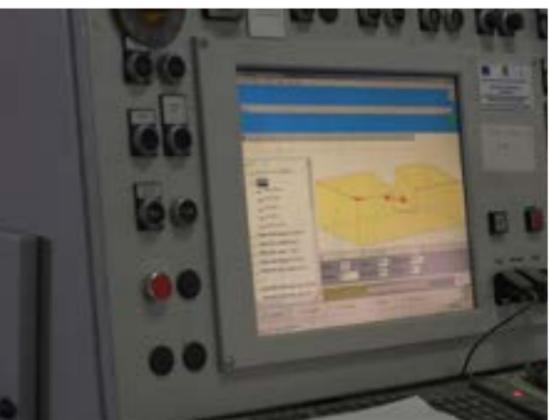


After the drying process we check if it's humidity correspond to standards



All the elements are carefully checked





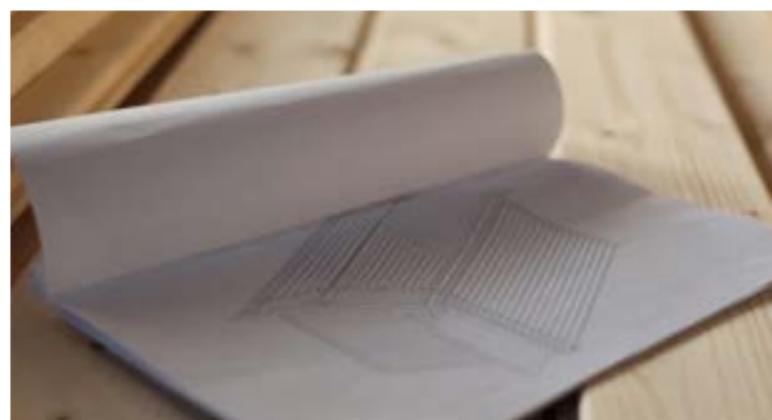
Due to Schmidler CNC automated machines we can manufacture various notches according to the thickness, we can do perfect joints for long elements and different thicknesses, with which installation will be very easy and fast to install.



The main advantage of pressure treated products compared with other ways to impregnate them is that this under pressure system penetrates deep into the wood and the product is protected against damage both, interior and exterior and this significantly increases the sustainability of life for the wood.



Through internal system "barcodes" we are sure of the quality of products we deliver. Barcode system applies on each and every element by Quality Control responsible after all the parts have been checked qualitatively.



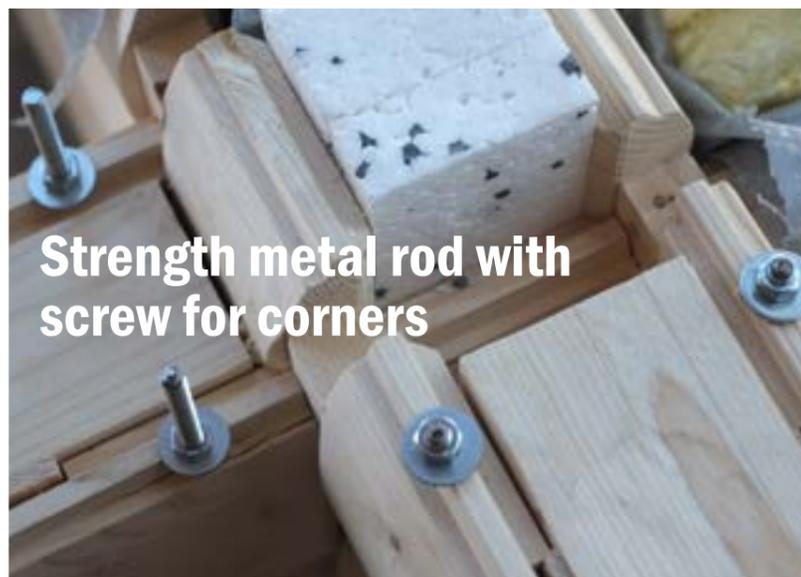
By the help of the scanner that reads every barcode in part, missing items from the packages is completely removed, because if just one item is missing, the package can not be closed.



Advantages



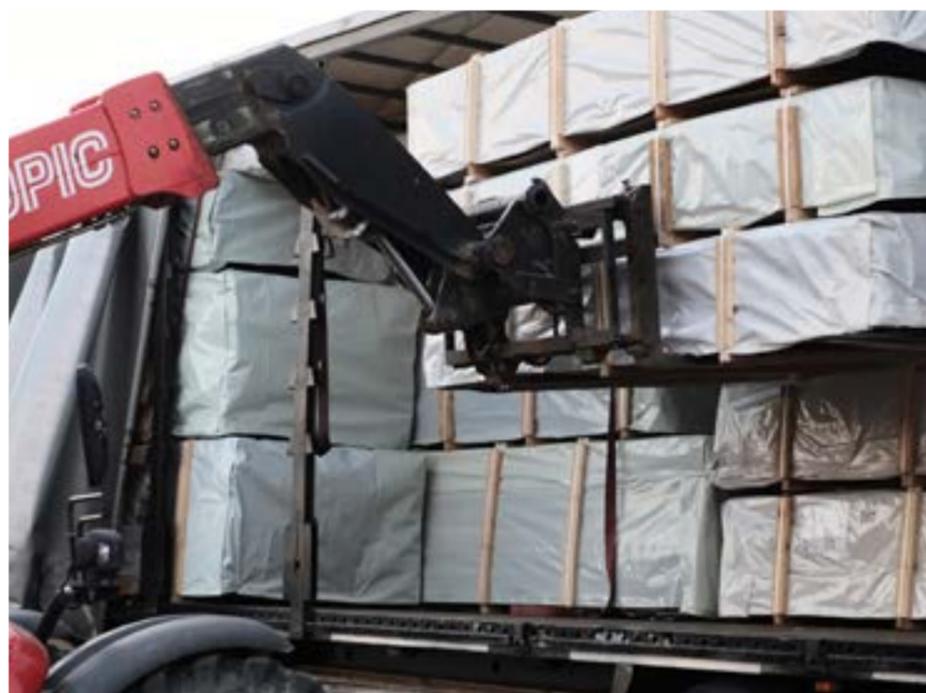
We build all the homes in our factory to eliminate mistakes



Strength metal rod with screw for corners



Technical support in all European languages



Transport all over the world



Barcodes





You are well welcome
to visit our exposition



Strength metal rod with screw for corners



The rod purpose is to bond the logs, to limit their movements due to high winds or increasing of timber volume when is absorbing water

1- unstress
2-stress

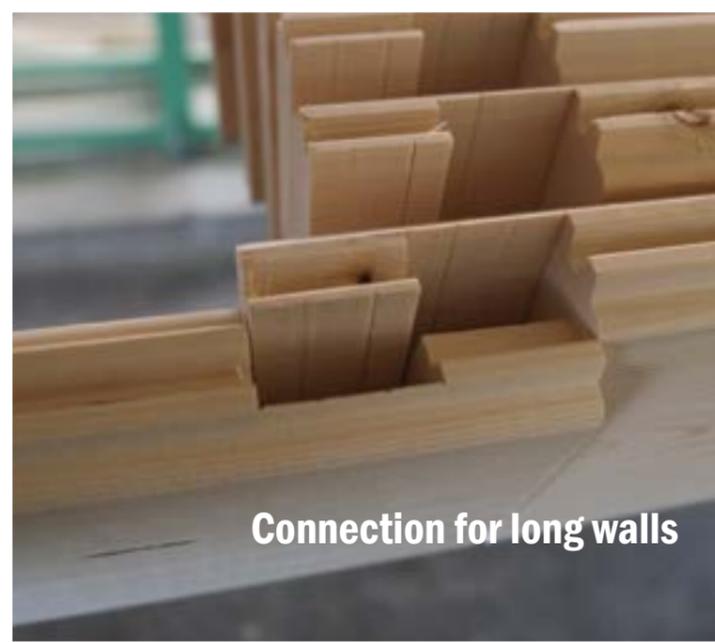


Constructive systems

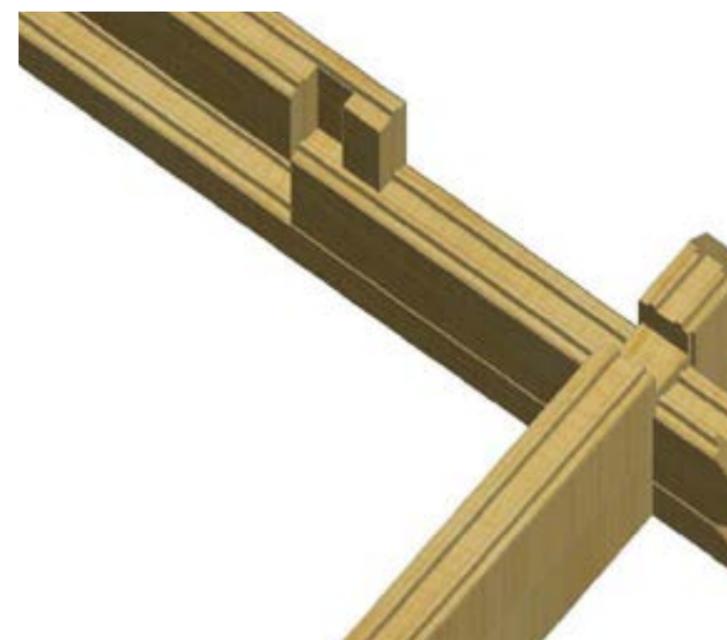
Simple wall from massive timber

Simple wall from laminated timber





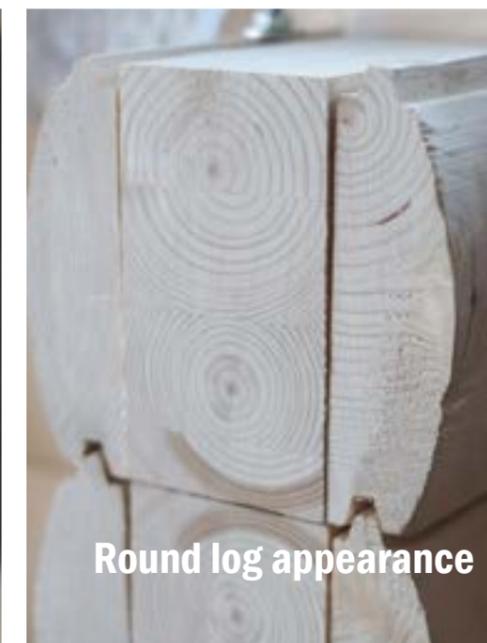
Connection for long walls



Rectangular wall



Simple half round wall



Round log appearance



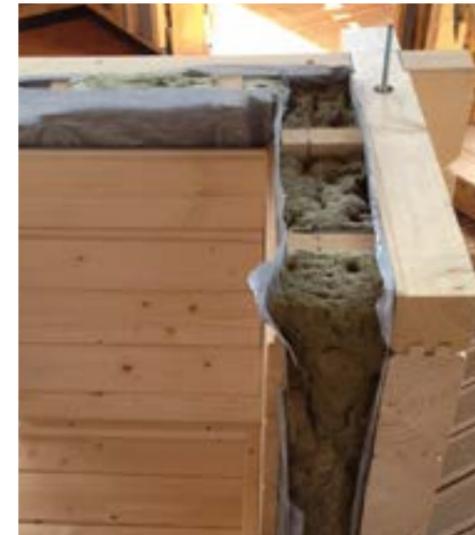
Double wall
with insulation from 50 to 300mm



External
insulation



Internal
insulation



20% GAS PRICE INCREASES TILL 2020

33% ELECTRICITY INCREASES TILL 2020

ENERGY CONTEXT

History shows us that cost is directly reported with consumption, during this year's them were both growing dramatically.

Practically the European Parliament estimates that the price of gas or electricity will grow with 20%, respectively 33% until 2020 reported to 2009 prices. In these circumstances people need to adopt energy efficiency.

The benefits of energy efficiency are not only related to your bills, they are also related to you carbon footprint and your environment impact.

In this way we treat energy efficiency very seriously so we came with a set of products which aim to conserve your energy.

Basics facts about energy efficiency

HEAT MIGRATES FROM WARM ZONE TO A COLDER ZONE

U-value (W/m^2K) – The value represents the HEAT LOSS which is characteristic to each element. Basically the number represents the watts heat lost per square meter at one degree temperature difference.

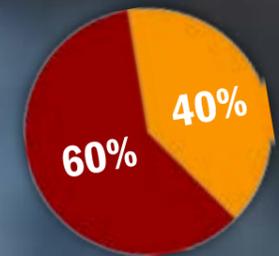
A higher U value = bigger the lost,
A lower U value = lower heat lost.

Λ (W/mK) is the thermal conductivity of each layer form the element

Insulations materials work because they have trapped pockets of air which reduce the conductivity

Energy use:

60% - heat and cooling & 40% - home appliances



HEAT LOSS IN A ORDINARY HOME

35% WALL HEAT LOST **25%** ROOF HEAT LOST **15%** FOUNDATION HEAT LOST

15% WINDOWS HEAT LOST **10%** AIR LEAKAGE HEAT LOST

Energy efficiency

INSTALLING PROCESS

PREPARE THE AREA



1

ARRANGE THE WOOD BEARERS



2

MEASURE EVERYTHING



3

CONNECT THE BEARERS



4

MEASUREMENTS MATTER THE MOST



5



6

INSTALL THE STRENGTH METAL ROD



7



8

INSTALL THE LOGS



9



10



11



12

INSTALLING PROCESS

EXTEND THE ROD LENGTH WITH THE PROVIDED CONNECTOR



ASSEMBLE THE WALLS, WINDOWS AND DOORS



CONNECT IN SCREWS THE ROD WITH THE LAST WALL ELEMENT



INSTALL THE ROOF



INSTALL THE HOME FLOOR



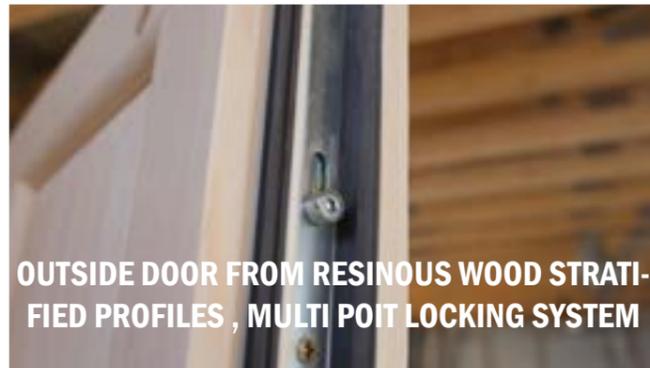
WINDOWS AND DOORS

AVAILABLE IN MASSIVE OR STRATIFIED WOOD





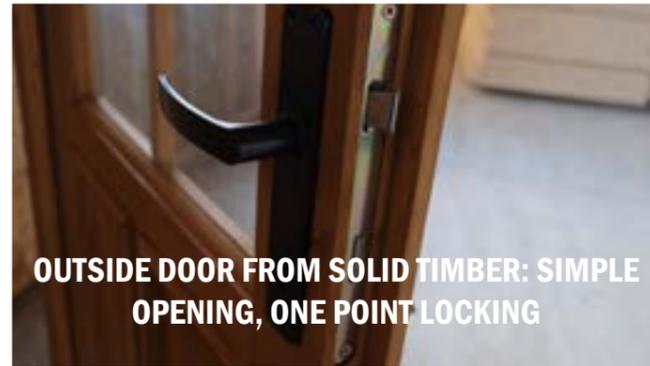
INTERIOR OR EXTERIOR DOORS



OUTSIDE DOOR FROM RESINOUS WOOD STRATIFIED PROFILES , MULTI POIT LOCKING SYSTEM



MASSIVE DOORS

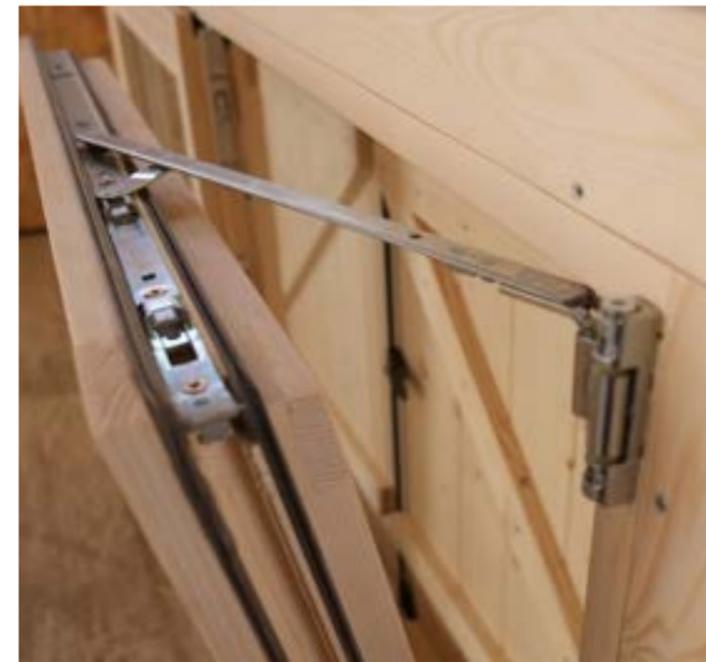


OUTSIDE DOOR FROM SOLID TIMBER: SIMPLE OPENING, ONE POINT LOCKING



AVAILABLE IN ANY COLOR

STRATIFIED WOOD WITH DOUBLE GLAZED WINDOWS



STRATIFIED WOOD WITH DOUBLE GLAZED WINDOWS

4-16-4 MM, FLOAT+LOW E, ARGON

- ONE FOLD WINDOW FROM RESINOUS WOOD STRATIFIED PROFILES: TILT AND TURN

- DOUBLE WINDOWS FROM RESINOUS WOOD STRATIFIED PROFILES: ONE FOLD TILT AND TURN, ANOTHER FOLD SIMPLE OPENING

-CASEMENT BATHROOM WINDOWS FROM RESINOUS WOOD STRATIFIED PROFILES

MASSIVE WOOD WITH DOUBLE GLAZED WINDOWS



MASSIVE WOOD WITH DOUBLE GLAZED WINDOWS FLOAT + FLOAT
- SINGLE WINDOW - ONE FOLD WINDOW FROM SOLID TIMBER: SIMPLE OPENING
- DOUBLE WINDOW - DOUBLE WINDOWS FROM SOLID TIMBER: ONE FOLD SIMPLE OPENING, THE OTHER FOLD WITHOUT OPENING



AVAILABLE IN ANY COLOR

**SHUTTERS
FOR
WINDOWS
OR
DOORS**



VENTILATED



"Z" STYLE



PERSIAN





ADDRESS: SC ERGIO-PROD SRL

Str. Ciresoia, nr. 233, DC 148, Vermesti

Comanesti, Bacau, Romania 605200

J4/848/1993 RO4831975

SOCIAL CAPITAL : 220 000 LEI

TELEPHONE: 0040234374131

FAX: 0040234374134

EMAIL: ergio-prod@ergio.ro ergio@ergio.ro office@ergio.ro

WEBSITE: www.ergio.ro

FACEBOOK: <https://www.facebook.com/Case.lemn.ErgioProd>

	ÖSTERREICH	www.ergio.at
	DANMARK	www.ergio.dk
	SUISSE	www.ergio.ch
	FRANCE	www.ergio.fr
	DEUTSCHLAND	www.ergio.de
	ΕΛΛΑΔΑ	www.ergio.gr
	ITALIA	www.ergio.it
	ESPAÑA	www.ergio-casasdemadera.es
	TÜRKIYE	www.ergio.info.tr
	UNITED KINGDOM	www.ergio.co.uk



Please note : Some of the information from this brochure may not be updated due to changes that may occur since publishing. Before ordering please ask for the latest informations. All the pictures form this brouchure are orientative. ERGIO PROD reserve the right to make changes at any time without notice, to prices, colours, materials, specifications and models.

We are currently looking to expand our partners network across Europe and not only



Ergio Prod

NORDIC LOG HOMES
The best choice of wooden houses
www.ergio.ro