



NORDIC
HOMES
SOLUTIONS



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.



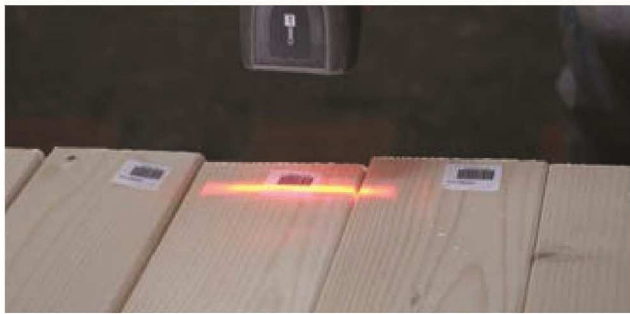
Nearly all our machines are computer controlled



"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.

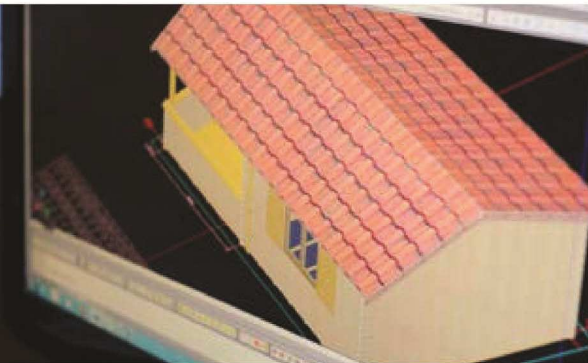


Pressure Treated Wood

How it's done?



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



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

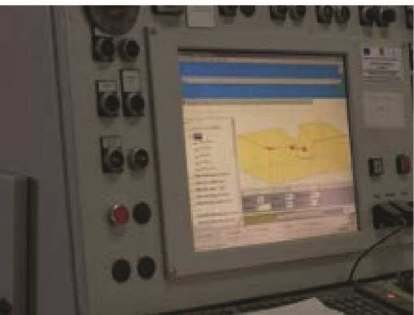


After the drying process we check if it's humidity correspond to standards



All the elements are carefully checked





Due to Schmidler CNC automat-ed machines we can manufacture various notches accordin to the thickness, we can do perfect joints for long elements and different thick- nesses, with which installation will be very easy and fast to in- stall.



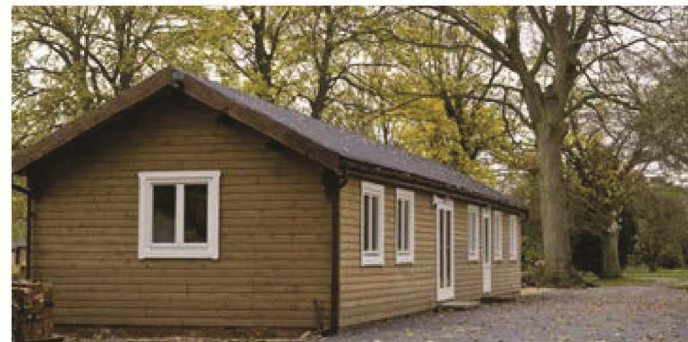
The main advantage of pressure treat- ed products compared with other ways to impregnate them is that this under pressure system penetrate deep into the wood and the product is protected against damage both, interior and ex- terior and this significantly increase the sustainability of life for the wood.



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



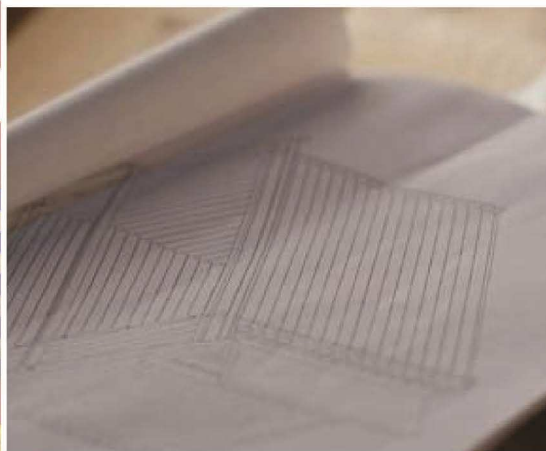
Advantages



We build all the homes in our factory to eliminate mistakes



Strength metal rod with screw for corners



Technical support in all European languages



Barcodes

Transport all over the world





**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

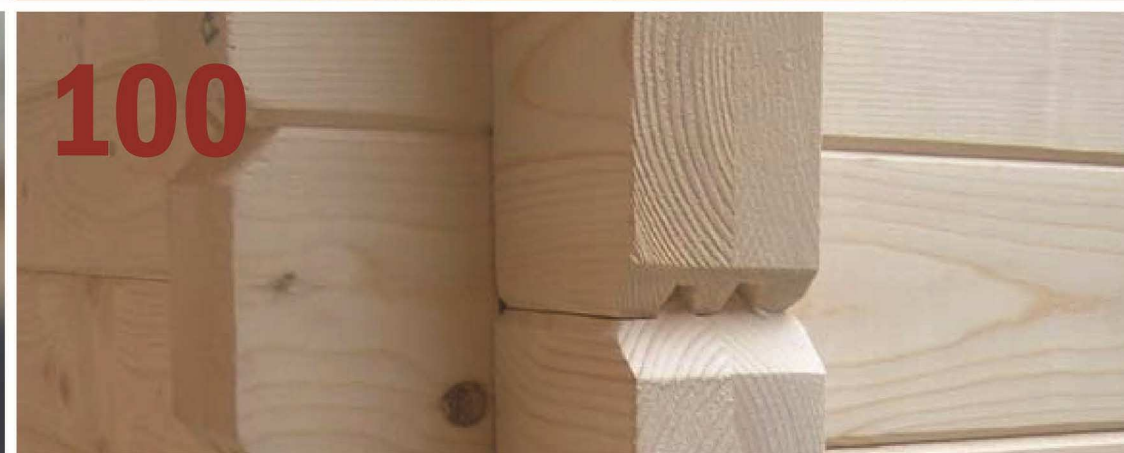
- 1- unstress
- 2-stress



Constructive systems

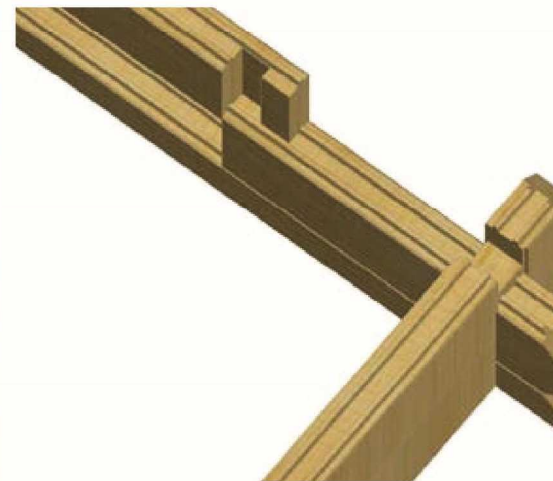
Simple wall from massive timber

Simple wall from laminated timber





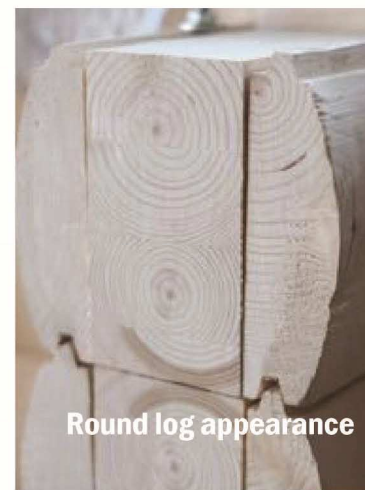
Connection for long walls



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.

Energy efficiency

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

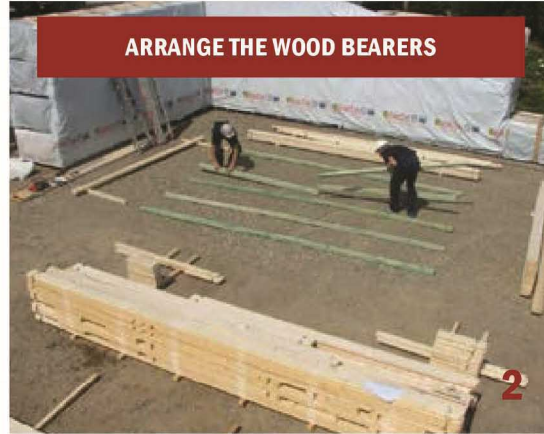
15% WINDOWS HEAT LOST **10%** AIR LEAKAGE HEAT LOST

INSTALLING PROCESS

PREPARE THE AREA



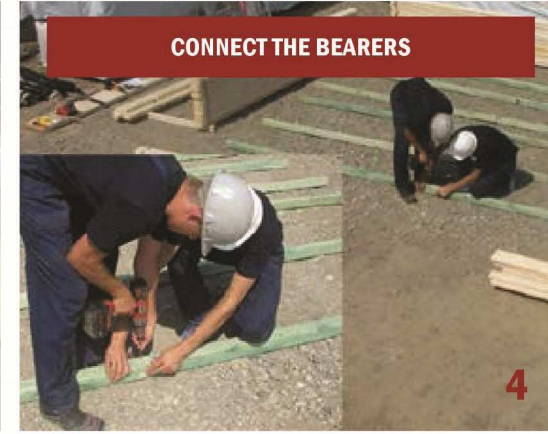
ARRANGE THE WOOD BEARERS



MEASURE EVERYTHING



CONNECT THE BEARERS



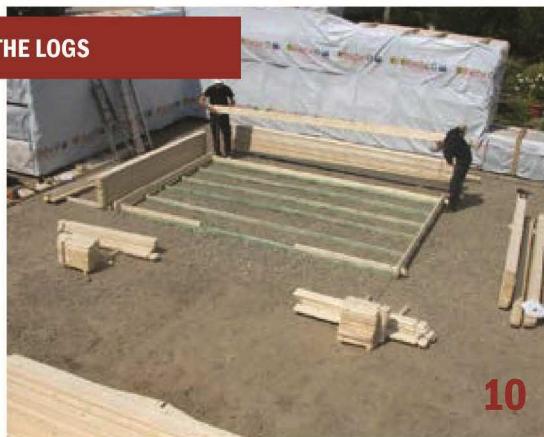
MEASUREMENTS MATTER THE MOST



INSTALL THE STREIGHT METAL ROD

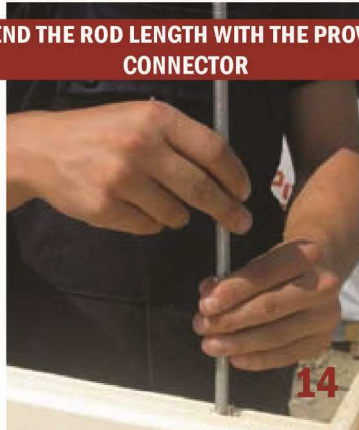


INSTALL THE LOGS



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

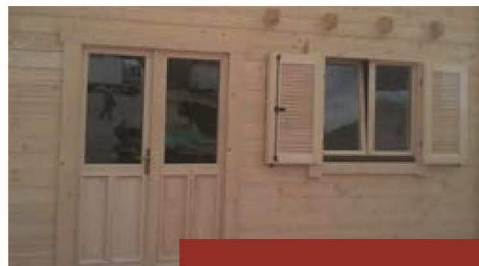


INSTALL THE HOME FLOOR



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

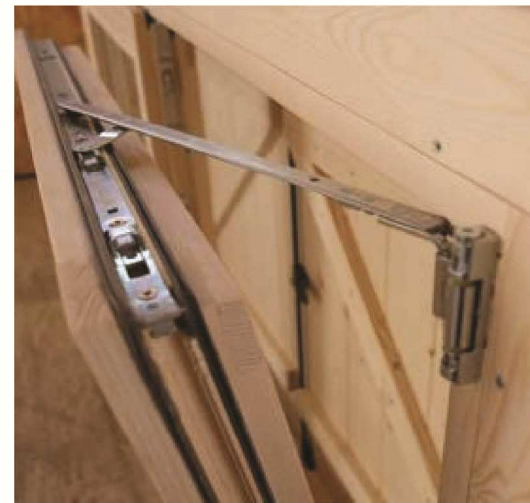
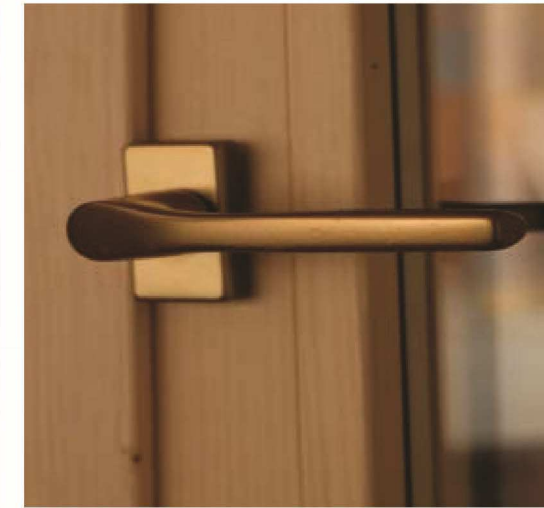


OUTSIDE DOOR FROM SOLID TIMBER: SIMPLE OPENING, ONE POINT LOCKING



AVAILABLE IN ANY COLOR

STRATIFIED WOOD WITH DOUBLE GLAZED WINDOWS



STRATIFIED WOOD WITH DOUBLE GLAZED WINDOWS

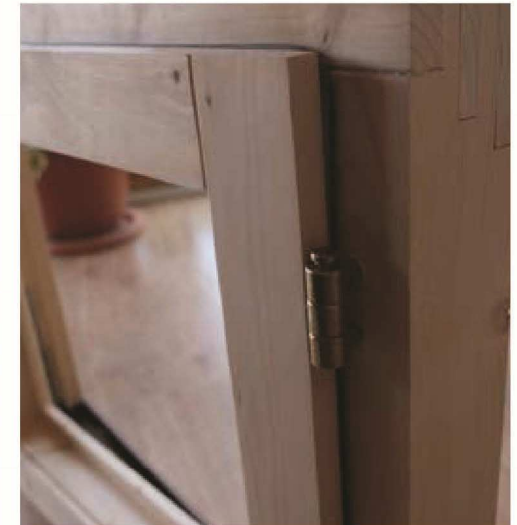
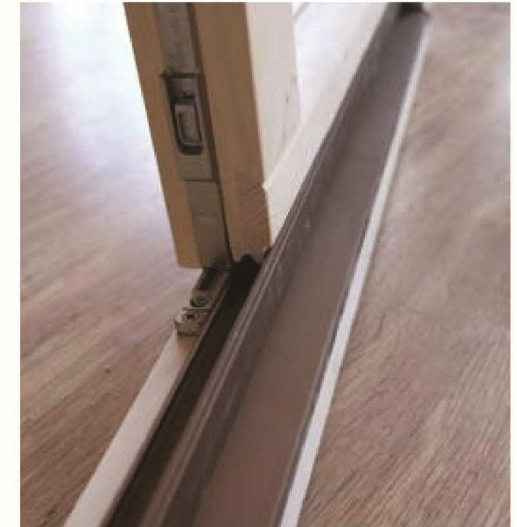
4-16-4 MM, FLOAT+LOW E, ARGON

- 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



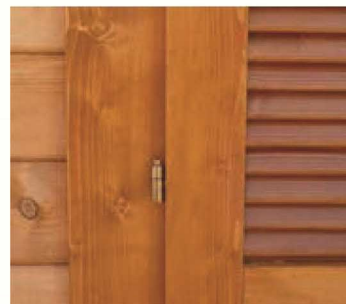
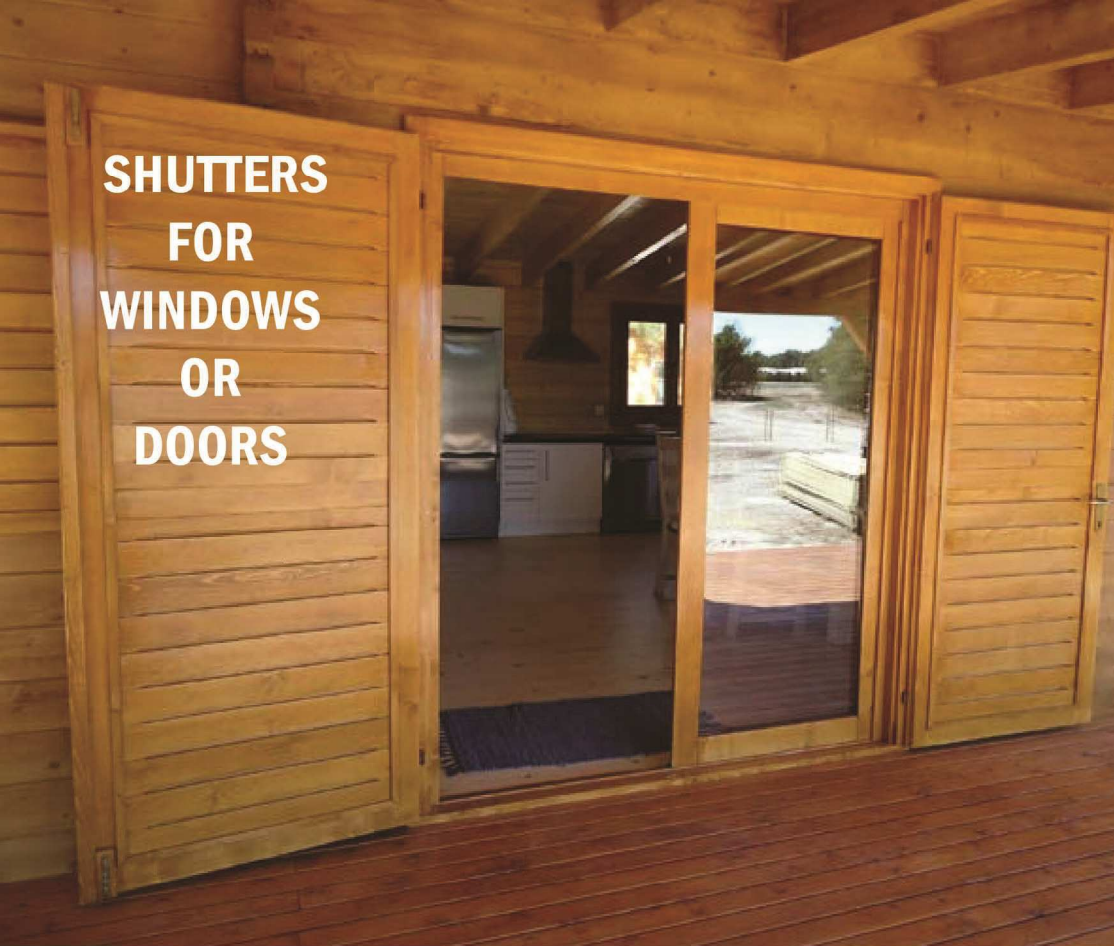
MASSIVE WOOD WITH DOUBLE GLAZED WINDOWS FLOAT + FLOAT
- SINGLE WINDOW - ONE FOLD WINDOW FROM SOLID TIMBER: SIMPLE OPENING
- DOUBLE WINDOW - DOUBLE WINDOWS FROM SOLID TIMBER: ONE FOLD SIMPLE OPENING, THE OTHER FOLD WITHOUT OPENING

**MASSIVE WOOD
WITH 4MM GLASS**



AVAILABLE IN ANY COLOR

**SHUTTERS
FOR
WINDOWS
OR
DOORS**





NORDIC LOG HOMES
The best choice of wooden houses