

# PALMATIN



Additional House Elements  
& Accessories



Since 1995, Palmatin constructed more than 4050 wooden houses in 28 different countries, mainly in Europe but also in Asia, North and South America.

We design, construct and deliver your dream house.



Our approach during the elaboration of Palmatin houses combines wood, natural and renewable raw material, and an eco-friendly living environment.

We offer efficient housing solutions for families who value ecological lifestyles and energy savings without giving up on daily comfort, whether in rural or urban areas.

Palmatin proposes a wide range of diversified house, sauna, camping cabins and motel models, including

traditional styles as well as more contemporary and modern design, all easily adaptable to our clients' desires and ideas.

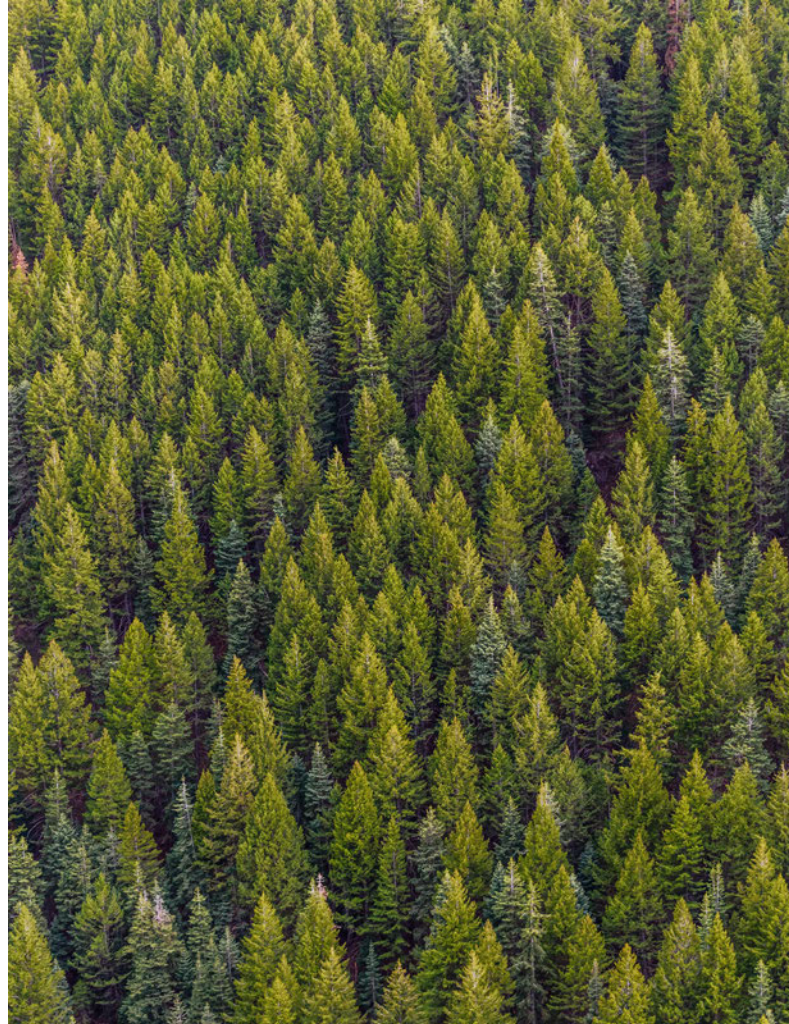
The projects presented in our catalogues constitute the synthesis of our long experience and the accomplishment of our customer wishes. You will find original architectures, ambitious structures, functional and ergonomic layout solutions for optimal comfort as well as many advice and additional house components.



# Table of contents

ABOUT US.....	5
PALMATIN PRODUCT RANGE.....	8
HOUSES EFFICIENCY.....	10
ADDITIONAL ELEMENTS & ACCESSORIES.....	13
<b>EXTERIOR.....</b>	<b>14</b>
ROOF ELEMENTS & SOLAR PANELS.....	16
Roofing elements.....	18
Rainwater systems.....	28
Safety and completing roofing elements.....	30
Solar panels.....	32
EXTERIOR HOUSE FINISHING - WALL OPTIONS, TERRACE & BALCONIES.....	34
WINDOWS, BALCONY DOORS & EXTERNAL DOORS.....	42
Windows, balcony & patio doors.....	44
Entrance & exterior doors.....	48
Windows, glazing, materials & finish.....	50
<b>INTERIOR.....</b>	<b>52</b>
INTERIOR DOORS.....	54
STAIRS & HANDRAILS.....	58
INTERIOR FINISHING OPTIONS - WALLS, FLOOR & CEILING.....	64
INTERIOR CLIMATE - HEATING SYSTEMS & VENTILATION.....	72
FIREPLACES AND CHIMNEYS.....	78
KITCHENS & ACCESSORIES.....	102
<b>PALMATIN CATALOGUES.....</b>	<b>125</b>





# About us

Palmatin is a manufacturer of round and square log houses, assembly-ready and pre-cut wooden houses and prefabricated houses who respects nature and promotes a healthy environment.

It is in Estonia, and more precisely in an economically emerging region near the capital Tallinn, that we design our houses. Our production units and our 12000m<sup>2</sup> of storage are established on a 5 hectares property.

To guarantee the best price-quality ratio, we use efficient and modern automatic production lines (Computer Numerical Control) and high-quality Nordic wood for our constructions.

Over time, we have organised every manufacturing process while keeping in mind the durability of our products and the environmental impact. It includes the use of certified materials (FSC) and the implementation of "waste-free" production, to offer to the future generations a worthy and healthy environment.

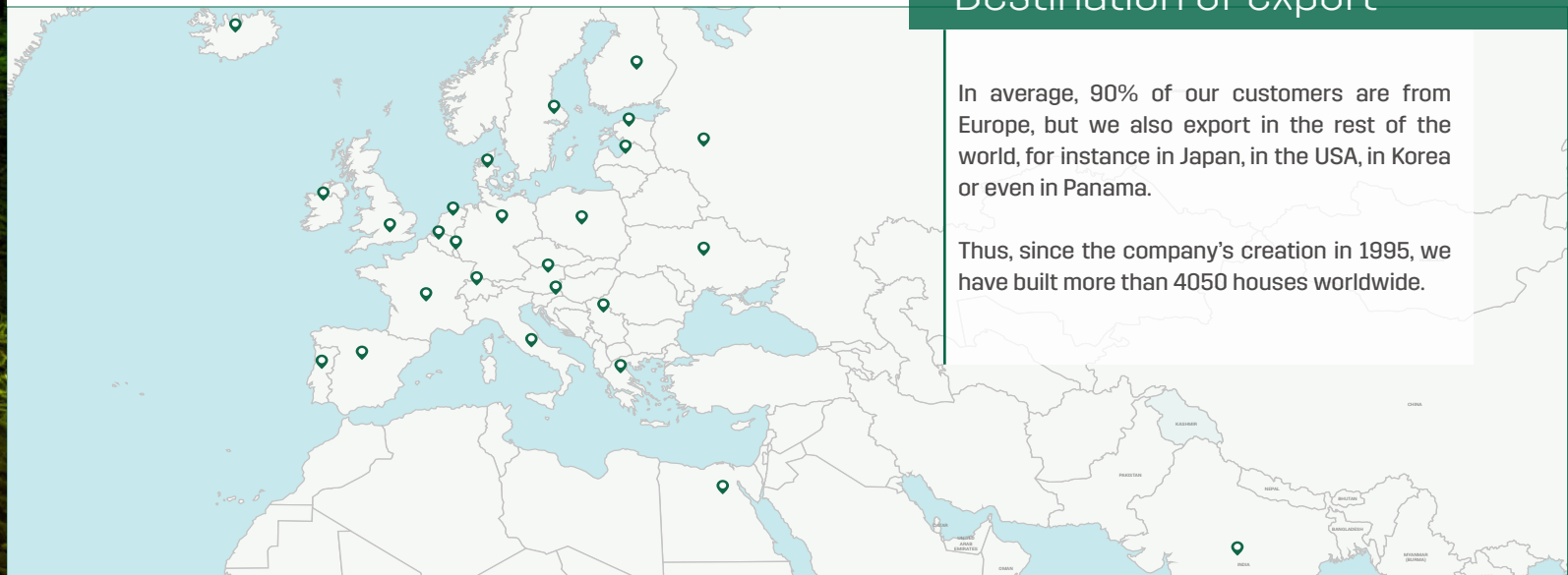
To guarantee the constant quality of our products and professional customer-oriented services, we have implemented an efficient management system recognised under the ISO9001 certification.



## CERTIFICATIONS & MEMBERSHIPS



## Destination of export



















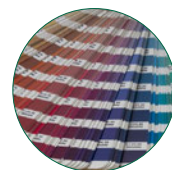
In average, 90% of our customers are from Europe, but we also export in the rest of the world, for instance in Japan, in the USA, in Korea or even in Panama.

Thus, since the company's creation in 1995, we have built more than 4050 houses worldwide.



# Palmatin timeline

- 1995 - 1996  Palmatin creation and start of round log house production
- 1998 - 2000  Construction of warehouses for wooden materials and finished products
- 2001  Start of square log house production
- 2003  Expansion of production area and establishment of infrastructure
- 2005  Introduction of a new CNC automatic production line
- 2006  Start of Glulam log, timber, beam; Pre-cut house production
- 2008 - 2009  Introduction of a new environmentally friendly systems for a waste-free production
- 2011  Implementation of FSC and ISO 9001: 2008 standards; Construction of a new factory; Prefabricated house production line RANDEK
- 2012  Automated glue-lam production line, overhead crane for prefabricated factory
- 2013  Extension for prefabricated house factory building
- 2014  Automated stacker for finger-jointed material production; Evocon production efficiency system implementation
- 2016  Wood material factory painting system: Navision system implementation
- 2017  New Winmann production line for prefabricated house factory CE, certificates for materials production
- 2018  New 700 square meter warehouse for materials
- 2019  ETA and CE certification; 2 new planing machines
- 2020  New planing machine with automated feeder packaging; New Combilift forklift



# PALMATIN





# Palmatin product range

Palmatin promotes energy-efficient and environmentally-friendly houses, which are durable and comfortable. The wood is the main element used to build the houses, for both log and prefabricated constructions. These two house types display many advantages and offer effective housing solutions. Our clients are invited to share with us their own projects, ideas and plans, to choose one of our houses or modify any house models to match their wishes.



## Log houses

The log constructions are durable and offer a pleasant and comfortable living environment. Today, they are progressing rapidly on the housing market and seducing thanks to their numerous advantages. A wooden house is easy and fast to assemble. Flexible, resistant, light and durable, the wood can suit most of the grounds and constructions.

During the production, we use quality Nordic wood, selected as per its mechanical resistance class, which is dried, planed and cut.

To provide our customers with various finishing possibilities and styles, we have developed 34 solid and glue-laminated log profiles, divided into categories. The glulam logs are assembled with certified and environmentally-friendly glue and various architecture solutions also provide our clients with a lot of building opportunities and possibilities for their projects.

Our log house range is composed of various house models, with many designs, adapted to small and large families.



## Prefabricated houses

The prefabricated house, also named modular home, is a residential type of housing which has proven its durability and resistance through time and which is today more and more common. In Europe, 90% of the houses built with wooden materials are prefabricated houses.

This type of dwelling is modern, functional and energy-efficient. A prefabricated house is easy to build: the house elements are made in the factory, marked and ready to be assembled on the construction site. The house can also be built in any season, in the factory, and assembled, within a few days, on-site. The assembly is fast and easy.

Many models of prefabricated houses are available, whether you are looking for a traditional looking home, a modern design, a one or two storey dwelling, a summerhouse or a permanent residence.

Our experienced and professional architects plan, design and modify the houses and constructions to match our clients' tastes. Therefore it is possible to modify the house models, including the design, layout..., accordingly to any ideas and projects. We guarantee the product quality and the adequation of the elements, thanks to certified materials and standard production processes.



## Log constructions

In complement to the house models, Palmatin also develops a range of log constructions including saunas, motels, summer houses, and camping cabins.

These models gather the advantages and features of the wood, comfort, and elegant design.

The models are ideal for relaxing and enjoying free time during getaways and breaks, and some of them are also suitable as permanent residences.



All our products are selected, managed and stored with careful attention, in order to provide our clients with the best quality and experience, as their satisfaction is one of our priority.



100 % renewable energy



CE Strength Graded Structural Timber



FSC certification



ISO certification



United Kingdom Accreditation Service



100% green energy

## Palmatin offer

## The house assembly

Palmatin gives you the possibility to choose among three house assembly options, from a basic kit to a premium one. Each of the three kits includes a definite number of the needed materials to build the houses. The basic kit allows you to build the structure of the house and its walls, whereas the premium solution comes as a complete kit to rapidly finalise the building and ensures the availability of the elements.



## Transportation of house materials

We organise on your request the transportation of the materials from the factory to the construction site. We assure you to deliver on time all the necessary materials for the construction and in good conditions.

If desired, you can also organise the transportation of the products.



## Price establishment

As every project is unique and customisable, the costs highly depend on the selected options. The final price is established according to the features of the project. A project quotation always includes the initial price of the house elements, whether the house is one of our models or the own design of our clients. The initial house prices can be requested on our website or directly from us. Palmatin design unique and quality models but also wishes to make them affordable and accessible to any kind of budget.



# Houses efficiency

A comprehensively planned log or prefabricated house, built to high quality, has the same energy efficiency as any other equivalent type of house.

While planning a house we recommend paying attention to the compactness of the house, its cardinal position, size, and the location of facade openings.

As up to 25% of the heat is lost through the roof ceiling, 35% through the ventilation system, 15% to 25% through doors and windows, 15 to 35% through walls, 15% through warm domestic water and up to 15 through floors, a well-thought building and quality materials are significant in the house performances.

In average 80% of energy spent during the lifespan of a building will be used for heating and cooling the rooms and other devices. The remaining 20% of energy is spent on manufacturing and building the house.

According to the intended use of the building, the norms of energy efficiency must be taken into account throughout the entire engineering process. As a result of following and implementing the right principals in the early stages of engineering, we can manufacture energy-efficient houses.

Energy-efficient solutions can reduce the fixed costs up to 20-30% and can significantly improve the quality of the living environment.

## Energy efficiency

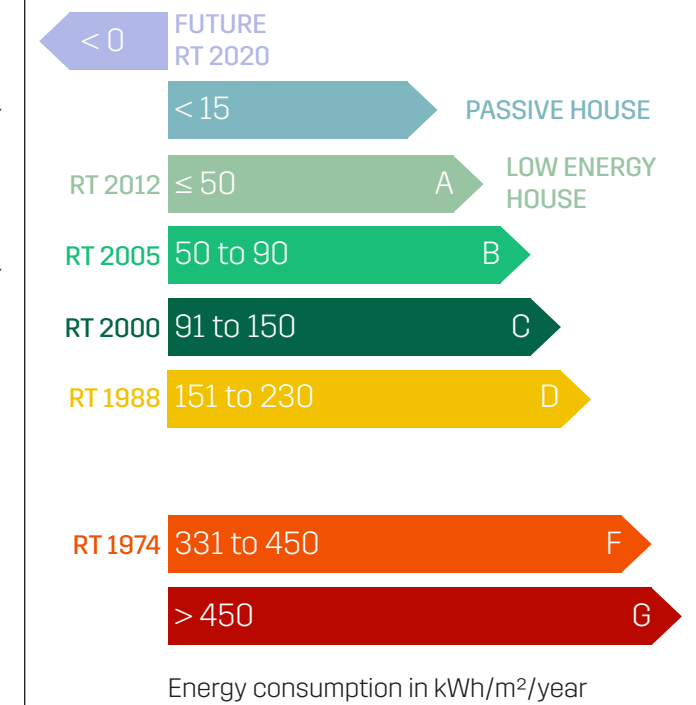
In Europe, buildings represent approximately 40% of the total energy consumption and 36% of the CO2 emissions, making the sector a priority when it comes to innovation, energy-saving and environment. Buildings are therefore the single largest energy consumer in Europe, ahead of industrial sectors.

A house is considered as passive when its energy demand is lower than 15 kWh/ m<sup>2</sup>/ year and its total energy consumption (including cooling, domestic hot water, use of devices and technical equipment, lighting, ventilation and consumption linked to building use) does not exceed 120 kWh/ m<sup>2</sup>/ year.

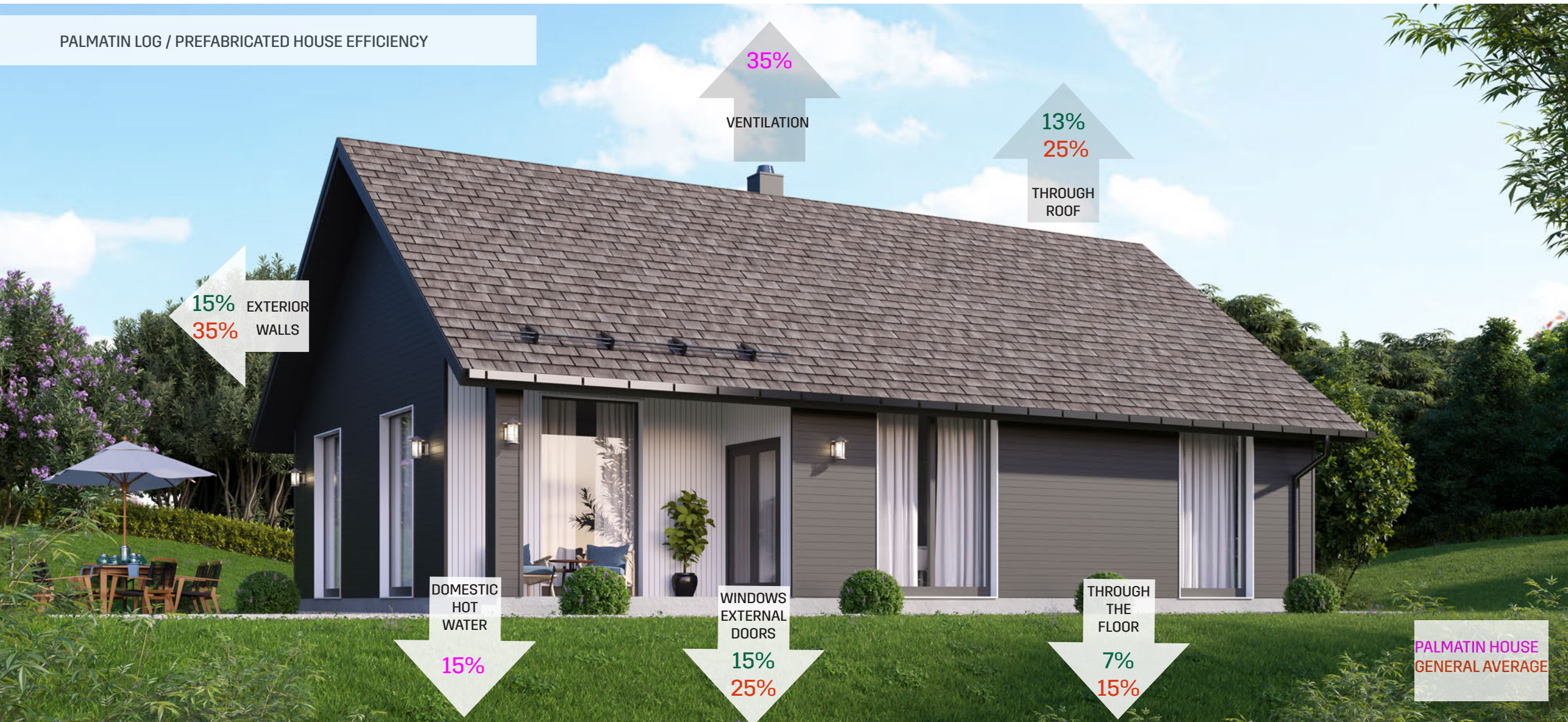
The RT 2012 norm considers a building as "low energy" as soon as its consumption is limited to 50 kWh/ m<sup>2</sup>/ year, including lighting, heating, air conditioning and hot water. The RT 2012 norm is based on renewable energy. To reduce energy consumption and building emissions, environmentally-friendly and renewable energy sources (solar panels, heating pumps...) are efficient solutions.

Palmatin constructions are complying with the RT 2012 norm and are energy efficient.

### Energy efficiency rating



### PALMATIN LOG / PREFABRICATED HOUSE EFFICIENCY



### The building future

As part of the European Green Deal, the improvement of the building energy efficiency plays a major and crucial role in achieving the European objectives on carbon-neutrality by 2050.

From early 2021, new regulations will be put in place to improve the energy efficiency of new buildings and reduce the total consumption of energy in the housing/building sector.

To achieve the long term objectives fixed on the climate, the environment and the global consumption, the new RT 2020 norm will give new directives. The RT 2020 norm, the successor of the RT2012, promotes a house even more efficient than the passive house

To reach the energy consumption rate defined by RT 2020, a building might produce as much as - or more - energy than the energy used.

The quality and choice of materials, as well as innovation, will be essential to reach the objective of an energy-positive building.





# Additional elements & accessories

## Products

Over time, Palmatin has drafted and constructed houses complying with the consumption changes, the market expectations and the industry challenges, while matching its values: well-being and comfort, durability, and respect of the environment.

Today, numerous dwelling models are available and thought to satisfy the clients' expectations, needs and wishes, in terms of areas, space, floor organisation, design and style.

To complete your home, Palmatin also provides you with additional house elements and accessories.

You don't need to worry and request from many different suppliers the missing products to complete your house, instead, we provide a large range of quality products adapted to the wooden houses, allowing you to save time.

The research of products and orders management are also easier as Palmatin will directly produce or order the elements and accessories of your choice. It ensures the availability of the products and the delivery on time at the construction site.

Our additional element and accessory range is composed of products for the exterior, such as roofing materials, solar panels, wall finishing options, doors and windows, as well as indoor components, including, among others, fireplaces, kitchens or stairs.

To create the final atmosphere in your house and as we know that building a home is not an insignificant challenge, we included in this catalogue many finishing options for interiors and precious advice for installation and maintenance.

## Partnerships & supply

Concerning the products that we are not producing in our factory, Palmatin has selected reliable suppliers offering large ranges of quality and reliable products.

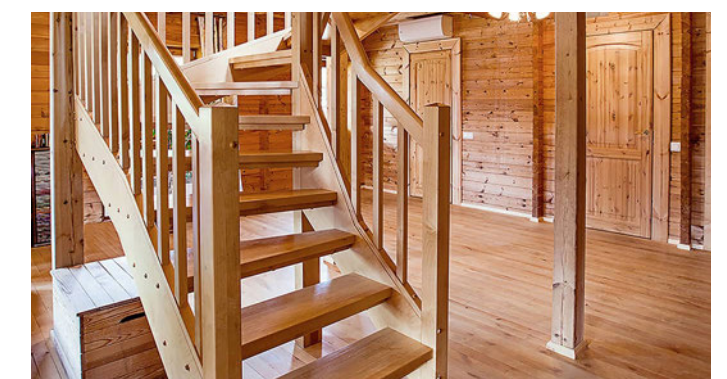
Palmatin selects all its partners with cautious concern to creating a stable, balanced and worthy working relationship, to provide customers with the best services, and to ensure them the same level of quality as when they are directly in contact with Palmatin teams.

We value trust, savoir-faire and professionalism and wish our partnerships to be lasting and fruitful, not only for us but also for our partners and our clients.

We also address careful attention to our partners' values and involvement, to be certain that we are positioned on the same line and have the same desire to serve our clients, not only with a product but a product which corresponds to them.

Thus, we put forward the environment protection, the quality of the product and the respect of our customers, their ideas and projects.

We want our clients to give our partners the same trust they give us and we work hard every day to reach this goal.







# EXTERIOR





## ROOF ELEMENTS & SOLAR PANELS

## The best roof for your house...

A house roof plays many significant roles in the durability and the comfort of a house. It ensures good and long-lasting insulation, protection against climate changes and bad weather, including rain, snow, wind, storms. The roof preserves the house structure, maintains the house climate and influences the energetic performances of the dwelling and consequently, its energy efficiency. It is acknowledged that approximately 30% of the house heat loss occurs through the roof. Quality roofing considerably improves this assessment.

The roofing elements participate in the aesthetics of the house. The roofing materials, shapes, colours, and finishing change the appearances of the home and complete the windows and façade design.

Palmatin includes in the house kit all the necessary components to build the roof structure and proposes quality roofing material and roof accessories. The roofing selection is composed of 3 different materials: metal sheets, concrete tiles, ceramic tiles and asphalt shingles, with different textures, colours and finishing available.

The warranty of the roofing elements depends on the selected material. All the products proposed by Palmatin are carefully selected and their quality certified. In complement, the roof accessories are also available. For the metal roof, the roof accessories include metal elements such as junctions, connections, angles and borders as well as security accessories, such as ladders, walkways and snow guards. These components are customisable to match the roof colour.

Even with quality materials, roof maintenance is always necessary. It is essential to regularly check the roof conditions to prevent any damages or repair the manor ones, in order to ensure the optimal conditions and long life efficiency of the roof.

Palmatin selected two rainwater systems to guarantee the water-tightness of the roof and the efficient evacuation of water. Square or round, the rainwater systems are also available in different colours as they also impact the façade appearances and final house look.



## About our partners

Three different partners provide Palmatin with roof materials, accessories and rainwater system. As always, the products are selected for their efficiency and quality and the partnerships managed with careful attention. The materials are durable and approved. Our partners benefit from a significant experience on the market and pay the greatest care to supply with satisfying products and services.

For roof metal materials, accessories and rainwater system, Palmatin buys his supplies from a Finish producer with more than 50 years on the market. Concrete, ceramic and asphalt roofing elements are renown over the world provided by Monier, specialised in roof material for more than 100 years and are renown over the world. The Lindab rainwater system is made in Sweden since 1959.





## METAL TILE SHEETS

The metal roofing sheets are durable and strong elements, perfectly adapted for roof requirements. If properly and regularly maintained, a metal roof can last a lifetime. The metal sheets are highly resistant to snow and ice and perfect for regions with cold weather. This type of roofing limits heat loss and keeps a fresh interior by reflecting the sunbeams in summer. The Ruukki metal sheets are resistant to UV, scratches, corrosion, pollution and moisture.

Ruukki metal roofing sheet models are guaranteed according to three different warranty classes, ensuring quality, durability, compliances with technical conditions but also aesthetics. The products belonging to the 50 warranty class benefits from 50-year guarantee for technical durability and 25 for aesthetics, the 40 warranty class provides 40 years of warranty on technical durability and 15 on aesthetics and the 30 class offers 30 year of technical durability and 10 years of aesthetic warranty. The warranties also depend on the finishing type: glossy or matt.

### Adamante



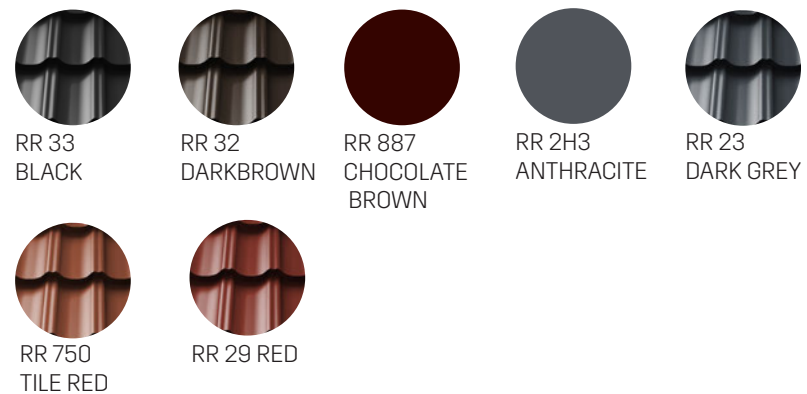
PROFILE HEIGHT:	55 mm
STEP LENGTH:	350 mm
TOTAL WIDTH:	1153 mm
MAXIMUM LENGTH:	8000 mm
MINIMUM LENGTH:	80 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.50mm - 4.7 kg
QUALITY CLASSES	50 - 30



### Finnera



PROFILE HEIGHT:	52 mm
STEP LENGTH:	330 mm
TOTAL WIDTH:	1190 mm
EFFECTIVE LENGTH:	660 mm
MINIMUM LENGTH:	680 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.50mm - 5 kg
QUALITY CLASSE	40



### Monterrey FEB forma



PROFILE HEIGHT:	44 mm
STEP LENGTH:	350 mm
TOTAL WIDTH:	1180 mm
MAXIMUM LENGTH:	8200 mm
MINIMUM LENGTH:	750 mm
QUALITY CLASSES	40 - 30



### Monterrey



PROFILE HEIGHT:	39 mm
STEP LENGTH:	350 mm
TOTAL WIDTH:	1180 mm
MAXIMUM LENGTH:	8000 mm / 7000 mm
MINIMUM LENGTH:	850 mm / 500 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.50mm - 4.7 kg / 0.45 mm - 4.1 kg
QUALITY CLASSES	50 - 40 / 30



### Elite



PROFILE HEIGHT:	60 mm
STEP LENGTH:	400 mm
TOTAL WIDTH:	1115 mm
MAXIMUM LENGTH:	8000 mm
MINIMUM LENGTH:	800 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.50mm - 5 kg
QUALITY CLASSE	50





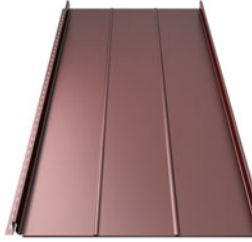
## Nordic C / D

Nordic C



RR 33  
BLACK

Nordic D



RR 32  
DARKBROWN



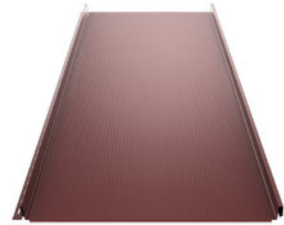
RR 29  
RED



RR 23  
DARK GREY

SEAM HEIGHT	32 mm
TOTAL WIDTH:	505 mm
MAXIMUM LENGTH:	10 000 mm
MINIMUM LENGTH:	800 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.5/0.6mm - 5.2/6.2 kg
QUALITY CLASSES	50 / 40

## Classic M



RR 33  
BLACK



RR 32  
DARKBROWN



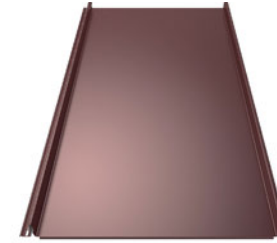
RR 23  
DARK GREY



RR 2H3  
ANTHRACITE

PROFILE HEIGHT:	32 mm
TOTAL WIDTH:	1153 mm
MAXIMUM LENGTH:	10000 mm
MINIMUM LENGTH:	800 mm
QUALITY CLASSE	50

## Nextgen



RR 33  
BLACK



RR 32  
DARKBROWN



RR 11  
SPRUCE  
GREEN



RR 21  
LIGHT GREY



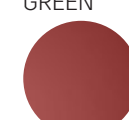
RR 23  
DARK GREY



RR 22  
GREY



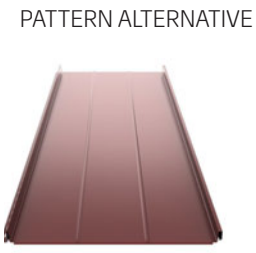
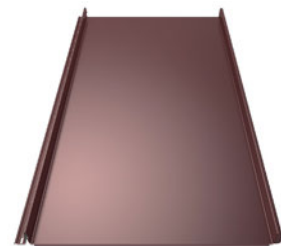
RR 750  
TILE RED



RR 29  
RED

PROFILE HEIGHT:	33 mm
STEP LENGTH:	475 mm
TOTAL WIDTH:	1153 mm
MAXIMUM LENGTH:	12500 mm
MINIMUM LENGTH:	800 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.6mm - 6.2 kg
QUALITY CLASSE	50

## Classic



PATTERN ALTERNATIVE



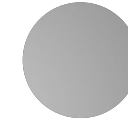
RR 33  
BLACK



RR 32  
DARKBROWN



RR 11  
SPRUCE  
GREEN



RR 21  
LIGHT GREY



RR 23  
DARK GREY



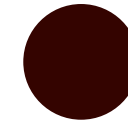
RR 22  
GREY



RR 750  
TILE RED



RR 29  
RED



RR 887  
CHOCOLATE  
BROWN

PROFILE HEIGHT:	32 mm
TOTAL WIDTH:	505 mm
MAXIMUM LENGTH:	12000 mm
MINIMUM LENGTH:	1200 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.6/ 0.5mm - 6.2/5.2 kg
QUALITY CLASSE	50

## Valtsprofiil



RR 33  
BLACK



RR 32  
DARKBROWN



RR 11  
SPRUCE  
GREEN



RR 21  
LIGHT GREY



RR 23  
DARK GREY



RR 22  
GREY



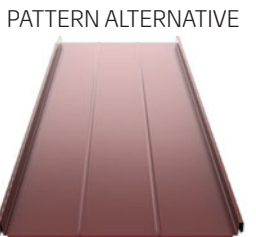
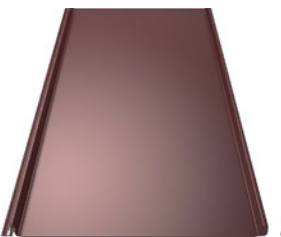
RR 750  
TILE RED



RR 29  
RED

PROFILE HEIGHT:	27 mm
TOTAL WIDTH:	570 mm
MAXIMUM LENGTH:	8000 mm
MINIMUM LENGTH:	1000 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.5/0.6 mm - 4.5/5.5 kg
QUALITY CLASSE	50

## Authentic 0.6



PATTERN ALTERNATIVE



RR 33  
BLACK



RR 32  
DARKBROWN



RR 23  
DARK GREY



RR 2H3  
ANTHRACITE

PROFILE HEIGHT:	32 mm
TOTAL WIDTH:	505 mm
MAXIMUM LENGTH:	12 400 mm
MINIMUM LENGTH:	1 200 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.6mm - 5.2 kg
QUALITY CLASSE	50

## Hyyge



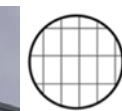
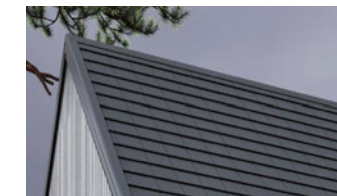
With grooves



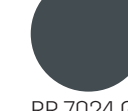
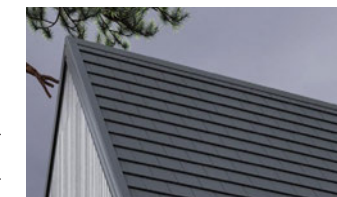
Without grooves

PROFILE HEIGHT:	26 mm
PITCH:	14 mm
EFFECTIVE WIDTH:	1178 mm
TOTAL WIDTH:	1200 mm
TOTAL LENGTH:	343 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.6 mm - 2.35 kg
QUALITY CLASSE	40

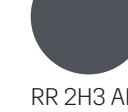
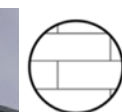
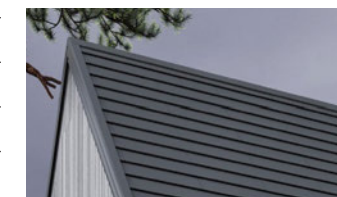
3 PATTERN OPTIONS



RR 33  
BLACK



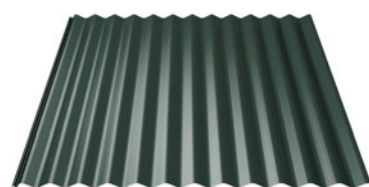
RR 7024  
GRAPHITE GREY



RR 2H3  
ANTHRACITE



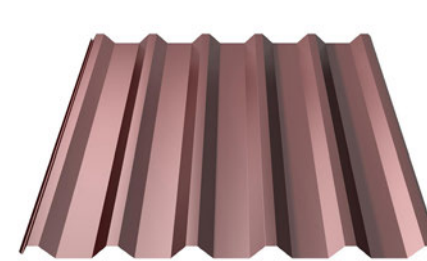
## Profiled sheet S18



PROFILE HEIGHT	18 mm
TOTAL WIDTH:	1142 mm
MAXIMUM LENGTH:	9 000 mm
MINIMUM LENGTH:	600 mm
QUALITY CLASSES	50 / 40 / 30



## Profiled sheet T45

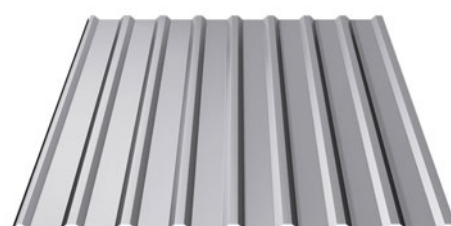


PROFILE HEIGHT	41/44 mm
TOTAL WIDTH:	960 / 955 mm
MAXIMUM LENGTH:	9 000 / 15 000 mm
MINIMUM LENGTH:	500 mm
QUALITY CLASSES	50 / 30



This product exists also in other dimensions :  
PROFILED SHEET T45 E

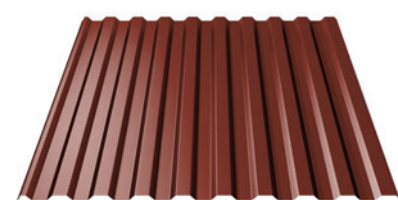
## Profiled sheet SHEET T20



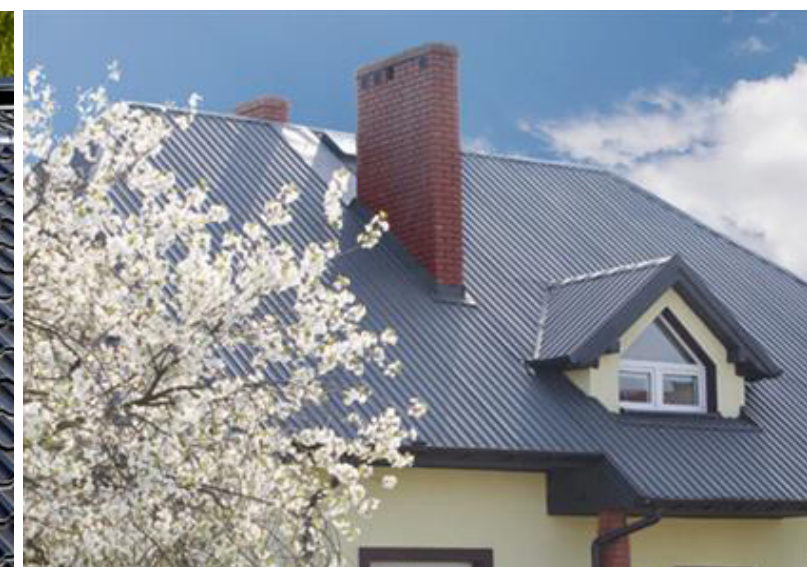
PROFILE HEIGHT	17 mm
TOTAL WIDTH:	1124 / 1150 mm
MAXIMUM LENGTH:	10 000 / 12 000 mm
MINIMUM LENGTH:	500 / 650 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.45/0.5/0.6mm - 4.1/4.5/5.4 kg
QUALITY CLASSES	50 / 40 / 30



## Profiled sheet T20 S



PROFILE HEIGHT	18 mm
TOTAL WIDTH:	1108 mm
MAXIMUM LENGTH:	12 000 mm
MINIMUM LENGTH:	650 mm
THICKNESS - WEIGHT/m <sup>2</sup> :	0.45/0.5/0.6mm - 4.1/4.6/5.5 kg
QUALITY CLASSES	50 / 40 / 30





## CONCRETE ROOFING TILES

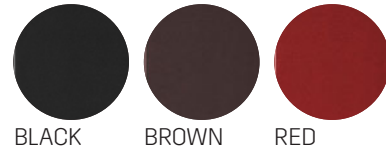
The concrete tiles are made to last. They are resistant and also affordable. The tiles are easy to install and are available in different colours and shapes, they can enlighten the modernity of a house or match a traditional look. Also, they have a small footprint, perfect for the environment.



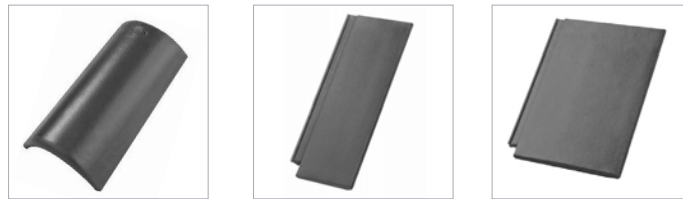
### Evo range



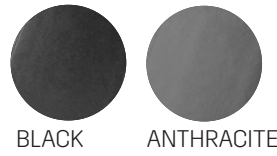
WIDTH	330 mm	WIDTH	180 mm
LENGTH	420 mm	LENGTH	420 mm
WEIGHT	4.8 kg	WEIGHT	2.2 kg



### Teviva



WIDTH	254 mm	WIDTH	180 mm	WIDTH	330 mm
LENGTH	450 mm	LENGTH	420 mm	LENGTH	420 mm
WEIGHT	4.51 kg	WEIGHT	2.41 kg	WEIGHT	2.85 kg



### Tegalit



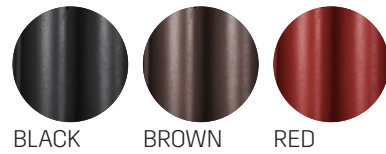
WIDTH	250 mm	WIDTH	180 mm	WIDTH	330 mm	WIDTH	330 mm
LENGTH	450 mm	LENGTH	420 mm	LENGTH	420 mm	LENGTH	420 mm
WEIGHT	4.7 kg	WEIGHT	2.96 kg	WEIGHT	5.5 kg	WEIGHT	6.3 kg



### Eststein protector



WIDTH	252 mm	WIDTH	180 mm	WIDTH	330 mm
LENGTH	450 mm	LENGTH	420 mm	LENGTH	420 mm
WEIGHT	4 kg	WEIGHT	2.41 kg	WEIGHT	4.2 kg

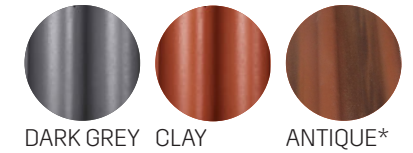
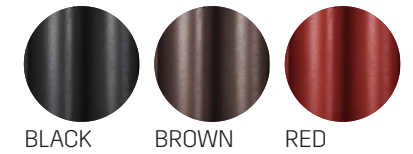


### Estsein elegant plus



WIDTH	252 mm	WIDTH	180 mm	WIDTH	330 mm
LENGTH	420 mm	LENGTH	420 mm	LENGTH	420 mm
WEIGHT	4 kg	WEIGHT	2.6 kg	WEIGHT	4.2 kg

\*Antique is not available for all the shingle models of range elegant plus



## CERAMIC ROOFING TILES

The ceramic roofing tiles bring a unique design to a dwelling. Ceramic is a resistant and lasting material presenting long-term durability. The tiles also are fireproof and resistant to moisture, staining and efficiently performing under harsh weather.

### Granat 13V



WIDTH	260 mm	WEIGHT	2.1 mm	WIDTH	258 mm
LENGTH	390 mm			LENGTH	430 mm
WEIGHT	3.77 kg			WEIGHT	3.6 kg



### Rubin 13V



WIDTH	276 mm	WIDTH	305 mm
LENGTH	450 mm	LENGTH	435 mm
WEIGHT	3.2 kg	WEIGHT	4.3 kg



### Turmalin



WIDTH	270 mm	WIDTH	160 mm	WIDTH	280 mm
LENGTH	385 mm	LENGTH	475 mm	LENGTH	475 mm
WEIGHT	4 kg	WEIGHT	2.3 kg	WEIGHT	4.4 kg








## Vittinge E13

		
WIDTH 240 mm	WIDTH 235 mm	WIDTH 235 mm
LENGTH 345 mm	LENGTH 420 mm	LENGTH 420 mm
WEIGHT 2.8 kg	WEIGHT 2.5 kg	WEIGHT 2.7 kg

## Nortegl

		
WIDTH 340 mm	WIDTH 280 mm	WIDTH 315 mm
LENGTH 450 mm	LENGTH 450 mm	LENGTH 450 mm
WEIGHT 4.4 kg	WEIGHT 3.8kg	WEIGHT 4.4 kg

## Nova

		
WIDTH 305 mm	WIDTH 287mm	WIDTH 287 mm
LENGTH 445 mm	LENGTH 450 mm	LENGTH 450 mm
WEIGHT 4.4 kg	WEIGHT 3.5kg	WEIGHT 3.75 kg

## Vittinge E11


WIDTH 266 mm
LENGTH 420 mm
WEIGHT 2.8 kg



## ASPHALT ROOFING SHINGLES

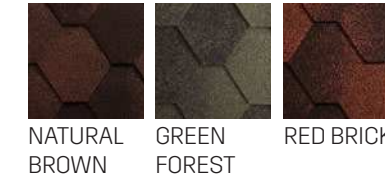
The asphalt roofing shingles are light elements compare to other roofing materials. They are also among the easiest to install, resistant and fireproof. They are durable and offer reliable roof, as they are easy to maintain.

Asphalt roofing shingles are available in various colours and textures to comply with any houses.

### Plano antik



COVERING AREA	3 m <sup>2</sup>
HEIGHT	32 mm
LENGTH	1000 mm
THICKNESS	3 mm
WEIGHT	23 kg



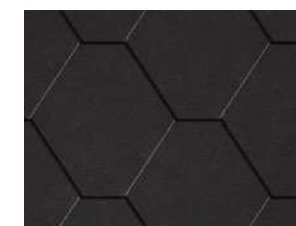
### Plano claro



COVERING AREA	3 m <sup>2</sup>
HEIGHT	32 mm
LENGTH	1000 mm
THICKNESS	3 mm
WEIGHT	23 kg



### Plano pro



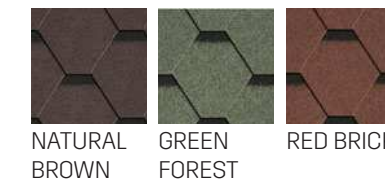
COVERING AREA	2.3 m <sup>2</sup>
HEIGHT	32 mm
LENGTH	1000 mm
THICKNESS	3 mm
WEIGHT	23 kg



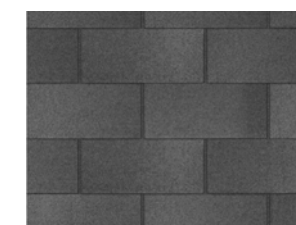
### Plano tema



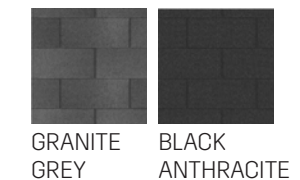
COVERING AREA	3 m <sup>2</sup>
HEIGHT	32 mm
LENGTH	1000 mm
THICKNESS	3 mm
WEIGHT	23 kg



### Plano XL



COVERING AREA	2.3 m <sup>2</sup>
HEIGHT	50 mm
LENGTH	1000 mm
THICKNESS	3 mm
WEIGHT	23 kg





# Rainwater systems

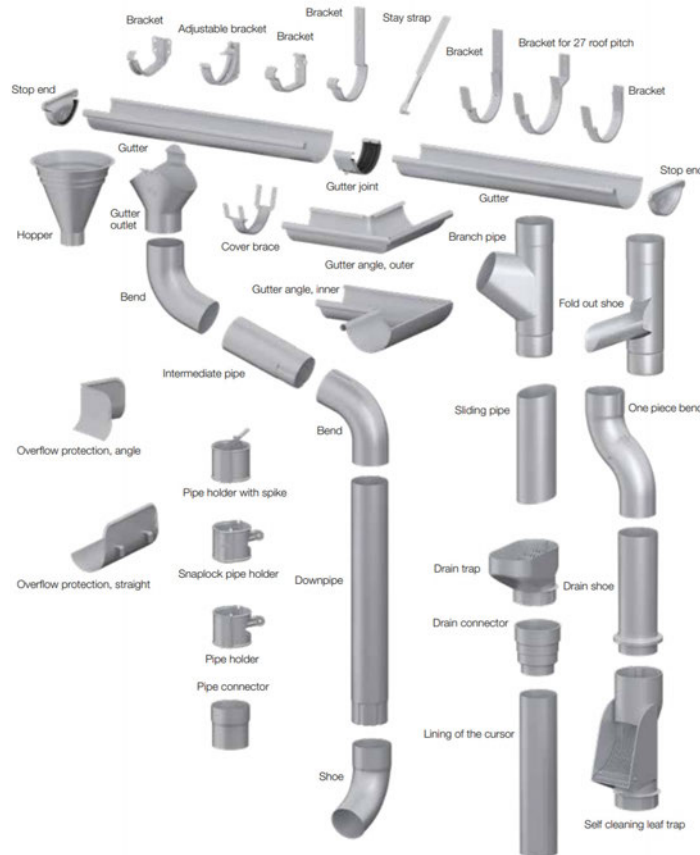
Among the roof finishing components, the rainwater system is one of the main elements. A quality rainwater system harvests and drains the water off from the roof efficiently. It keeps the roofing in good conditions and participates to their durability. As water can cause serious damages to the roof and the house such as water infiltrations, cracks or moisture, the rainwater is a safe way to globally secure the dwelling and the foundations by leading the rain as far as possible. Consequently, good rainwater system maintenance is also essential. In autumn, be sure

that no leaves stuck in the gutter for instance. This investment can avoid problems along with unexpected expenditures for important fixing.

Palmatin selected two efficient, reliable and quality rainwater systems. As the rainwater systems also participate in the appearances of the house facade and its charm, many attractive and numerous finishing and colours are available to make the final look harmonious with the facade and the roof materials.

## LINDAB RAINWATER SYSTEM

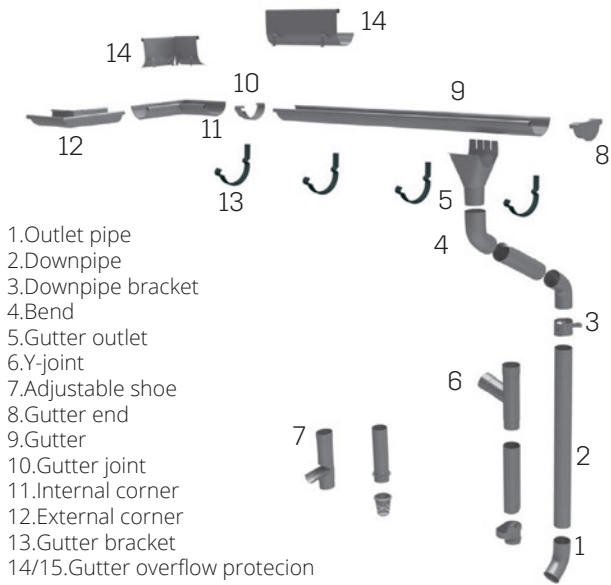
The Lindab rainwater system is strong and durable, made of metal and designed to respect the environment and evacuate water from the roof in the best conditions. The system components are covered with a zinc coating to preventing the formation of corrosion and be resistant to scratches through time. The system can be customised thanks to a range of 11 colours in addition to 3 glossy finishing for unpainted metals. Different sizes are available to fit at best the edges of any roofs. The products are benefiting from 10 to 15 years of warranty, depending on the selected finishing. They are also easy to install and do not require specific maintenance efforts.



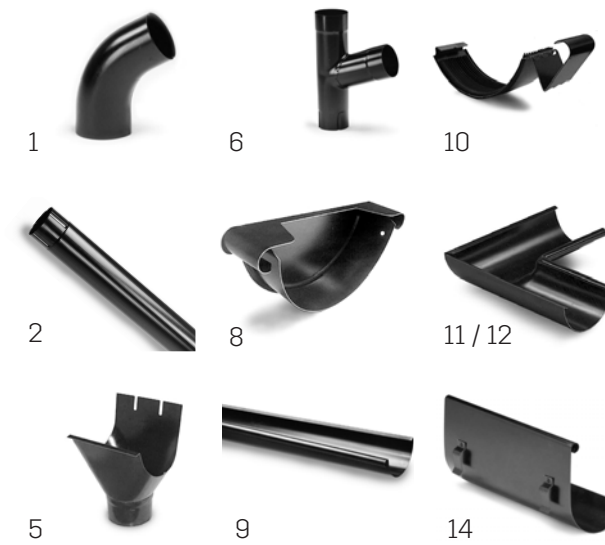
- |  |                     |  |               |  |                |
|--|---------------------|--|---------------|--|----------------|
|  | ANTIQUE WHITE       |  | GRAPHITE GREY |  | TILE RED       |
|  | ANTHRACITE METALLIC |  | BLACK         |  | ALUMINIUM ZINK |
|  | SILVER METALLIC     |  | COFFEE BROWN  |  | COPPER         |
|  | DARK GREY           |  | BROWN         |  | MAGESTIC       |
|  | ANTHRACITE MATT     |  | DARK RED      |  |                |

## SIBA RAINWATER SYSTEM

The Siba rainwater system is made from Swedish steel. To avoid any type of corrosion and deterioration, it is covered with an organic coating making it resistant to demanding weather conditions such as rain, snow or ice. The components of the rainwater systems are available in various colours, sizes and shapes to perfectly match all the angles, features and dimensions of the houses and ensure optimised functioning. To follow the current architecture trend and give the houses a modern and unique look, the gutters and pipes can be round or square. The rainwater system is easy to assemble by flapping and clicking the elements together.



- 1.Outlet pipe
- 2.Downpipe
- 3.Downpipe bracket
- 4.Bend
- 5.Gutter outlet
- 6.Y-joint
- 7.Adjustable shoe
- 8.Gutter end
- 9.Gutter
- 10.Gutter joint
- 11.Internal corner
- 12.External corner
- 13.Gutter bracket
- 14/15.Gutter overflow protection



- |  |                 |  |                 |
|--|-----------------|--|-----------------|
|  | RR 33 BLACK     |  | RR 20 WHITE     |
|  | RR 32 DARKBROWN |  | RR 29 RED       |
|  | RR 23 DARK GREY |  | RR 750 TILE RED |





The roofing tiles and sheets are only one component of the final roof. Of course, other elements such as connectors, borders, ventilation tiles are completing the appearances and efficiency of the roof. Among them, accessories such as ladders and walkways help to maintain the roof clean and optimal through time. These elements are essential to ensure security during maintenance work and should not be forgotten.



## SAFETY ELEMENTS

### 3 5 Ladders & roof bridge

The ladders are made to access easily the roof and specially designed for rooftop work. They do not damage the structure of the roof as the fixings are made to distribute the weight.

The ladders are resistant to the exterior climate and conditions and available in different colours to match the roof finishing and style.

Different ladder fixations provide safety when climbing on the roof.

The bridge prevents from falling and stumbling from the slippery and sloping roof when cleaning or maintenance needs to be performed and provides the easiest access to the house roof. The bridge provides security to the individuals. As it is not necessary to directly walk on the roof structure, the bridge also protects the roof.



### ADDITIONAL ELEMENTS

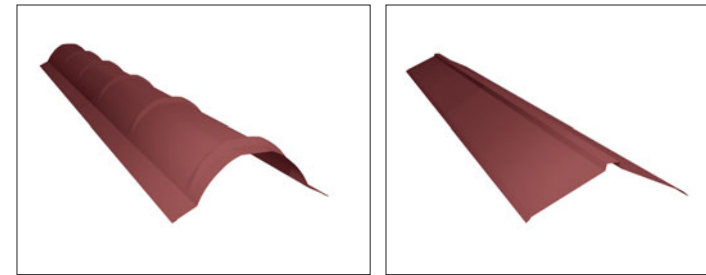


### 4 Snow guards

The snow guards are preventing large amounts of snow or ice to fall, protecting the residents of the house. They also limit the accumulation of snow on the rainwater system, which can cause damages. The snow guards can be installed on the top of various roofing types. The tubes give a high level of protection as they are large and durable. They do not disturb the appearances of the house and the roof.

## COMPLETING ROOF ELEMENTS

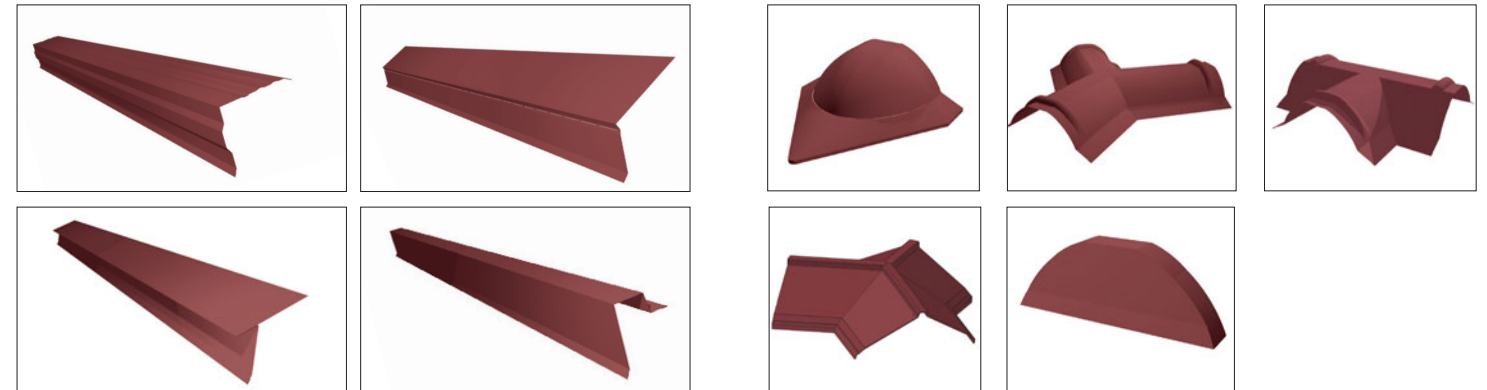
### 6 7 8 Ridge capping and connectors



The ridge capping and connectors are made to cover all angles that the tiles and shingles cannot protect and create the junctions between those elements.

The capping and connectors are also covering the borders and the roof peak.

As the rest of the roofing, they play a major role in the impermeability of the roof and the preservation of the house structure and interior. Different shapes and finishing are available.

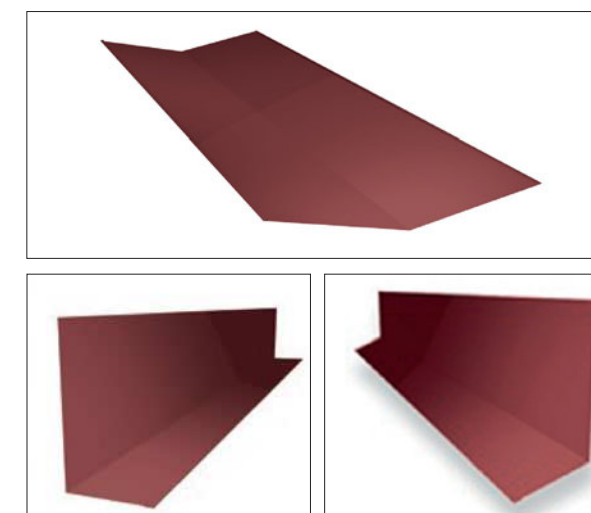


### 9 10 Roof, plumbing vents & chimney flue

The roof vents can be directly integrated into the shape of the tiles and form their design but also take many other forms. The vents are made to guarantee the proper ventilation of the attic space by capturing the wind. They also help to manage ice dams, prevent overheating in summer and moisture.

The plumbing vents are pipes emerging from the roof. They allow air to enter the plumbing system and help evacuate drained and wastewater.

If you plan to install a fireplace in your house, you will need a chimney flue on the roof to evacuate the fire smoke. Like any other roof component, the chimney flue needs to be carefully installed and the junction cautiously covered to keep the roof and house conditions optimal through time.



### 11 12 Valley roof and joint flashing

The valley flashing is not depending on the roof main material (sheets or tiles) but is used to protect the roof where two slopes form a valley.

The valley roof flashing draws a way to drain the water off the roof to the rainwater system.

The joint flashing accomplishes the same purpose as the valley roof flashing: it drives the water away, protects the roof structure, prevents seepages and participates to the optimisation of the roof. Joint flashing can be found at angles, endings or windows edges.



# Solar panels

Building a new home is a perfect opportunity to think beforehand the electrical installation of a house and its sources. Various solutions are available when it comes to efficient and renewable energy resources in housing. Many improvements have been made in solar technology and nowadays suppliers provide efficient, durable and profitable photovoltaic modules.

## SOLARSTONE PANELS

Solar panels, a smart investment

Electricity is used in our houses for almost everything: kitchen appliances, electronic devices such as TV, computers or phones, heating systems, washing machines... Unfortunately, the electricity is too often provided by fossil resources such as nuclear, coal, oil or natural gases, leaving a significant polluting impact on the planet.

A solar panel system allows to reduce the dependency on fossil energies and leads towards a cleaner alternative. After installation, the solar panels do not pollute the atmosphere, as no greenhouse gases are released. The power produced by the solar panels is renewable, making the system one of the cleanest energy sources.

As the solar panels produce the energy for the house, the need energy provided by other sources is considerably reduced, decreasing at the same time fixed costs. The power accumulated by the panels is stored, even at night. Additionally, the energy excess can be sell to power companies and thus ensure through time investment return.



### How solar panels work?

Solar panels are installed on the roof and use the sunlight to produce electricity. The panels are composed of photovoltaic cells. When entering into contact with them, the sunlight creates a reaction. This is called the photovoltaic effect. This reaction transforms solar energy transformed into electrical power. The produced electricity is direct, therefore it first needs to pass into a power inverter. The power inverter converts the direct current into an alternating one, to transport it while avoiding the heat and power dispersion and thus saving the energy. The power is then stored until use.

### Efficiency of a solar panel

The efficiency of a solar panel is its ability to convert sunlight into electricity. It is determined by the solar cells and the panel's components (electrical configuration, composition,...). Generally speaking, quality solar panel efficiency is between 15% to 22%.

While avoiding or reducing the use of fossil energies, the solar panels also help to reduce the carbon footprint and release of CO2 in the environment.

When it comes to financial savings, it is hard to calculate a rate, as the spending amounts depend on plenty of factors such as general weather, location, rates of power companies, electricity needs and consumption... However, it is proven that the solar panel system decreases the annual electricity bills.

### Products

The photovoltaic cells are assembled to form panels and covered with a matt glass with an antireflection coating of 3.2 mm. The products are also made of lead-free solder and coated black aluminium frame. The solar panels are waterproof and don't represent any danger for the roof impermeability but participate in the roof protection.

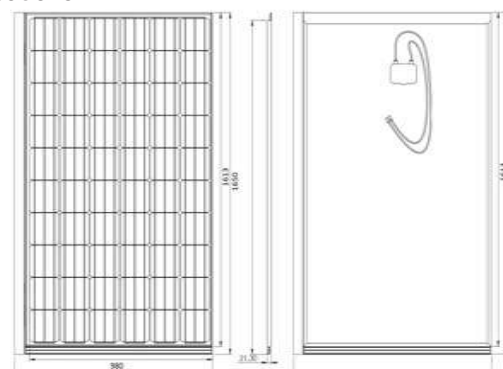
### Installation and design

The panels can be installed on any type of roofing tiles and don't deform the house appearances. The installation is easy and the integrated panels present many advantages in terms of aesthetics. They are mixed with the rest of the roof and do not disturb the look of the house, yet bring a major advantage in term of efficiency and electricity consumption.

### Price

The price of solar panels highly depends on the roof and house features, on the measurements and the desire projects. The prices are thus established according to each project. However, the Solarstone panels are also thought to be affordable and convenient.

### Specifications



CELL TYPE	Monocrystalline
NUMBER OF CELLS	60
EFFICIENCY	18%
MAX POWER VOLTAGE	32.6 Vmp
MAX POWER CURRENT	9.04 Imp
MAX SYSTEM VOLTAGE	1000
WEIGHT	18.3 kg
CERTIFICATIONS	IFC 61215







## Wall finishing options

The house wall finishing covers and protects through time the structure of the house against weather changes, conditions and other external elements. The external walls need to be resistant, waterproof and durable to keep the house healthy and in good conditions. These are the reasons why the wall finishing should be selected with careful attention and accordingly to the house materials.

The other importance of an exterior finish is the visual aspect. Colours, textures, effects and covering won't bring the same look to the house. Modern and contemporary, bucolic and rustic, traditional and classic,... the last details will create the style and design you imagine.

## Prefabricated house

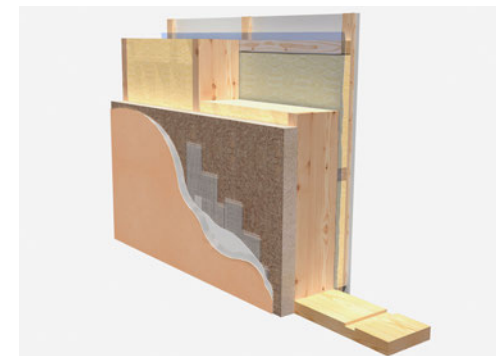
The prefabricated houses are composed of wall elements. The walls can be load-bearing, non-load bearing or internal.

The external walls are composed of timber frames, insulation, vapour barrier, rafters, wind protection and ventilation slats. Two options are available for the external finishing: the plastered facade of the wooden facade.

A prefabricated wall can be decorated with multiple finishing.



### EXTERNAL WALLS

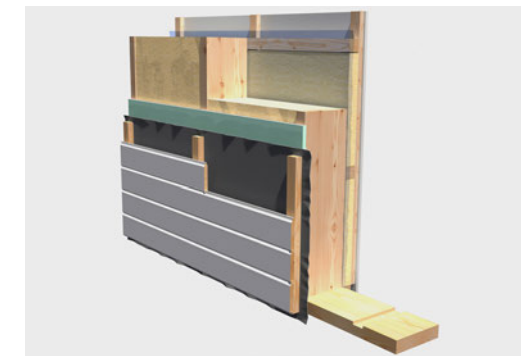


**Plastered facade**

The plastered facade can be finished with plaster, stone imitation, mosaic or even plastered mineral insulation board depending on the desired texture and visual.

Many colours and hues are available and associations of materials can create interesting visual and unique house facade.

There are several plastered facade decoration types with interesting features such as waterproofness, electrostatic-free, UV resistant...



**Wooden facade**

The wooden facade is composed of wooden cladding.

You are free to choose the sizes of the cladding planks, their shapes and positions. The cladding can be installed horizontally, vertically or both to give the facade more relief and unique touch.

The wooden cladding can also be an imitation of the wooden log, to give the house a traditional aspect.



## EXTERIOR HOUSE FINISHING WALL OPTIONS TERRACE & BALCONIES



## Log houses & constructions

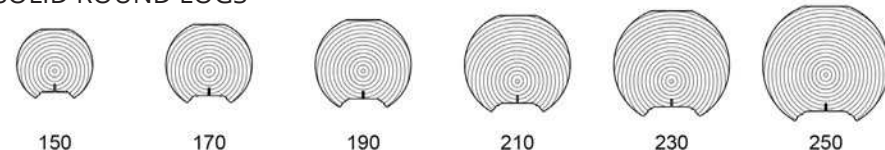
The log house external walls are made of logs, log panelling, insulation and protective membrane.

Two types of log profiles are available in different sizes. The wooden round logs give the houses traditional and classic appearances and recall the typical mountain lodges whereas a house made of square logs adopts modern and contemporary look.

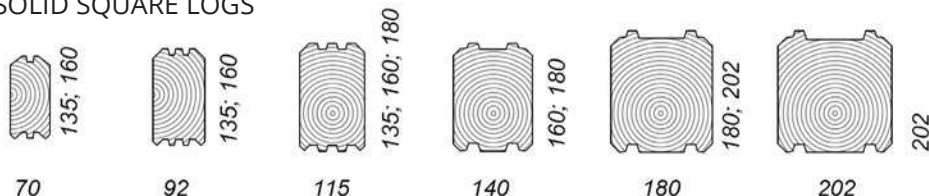
Both round and square logs are available as solid logs, made of one piece of wood, and glued laminated logs. In opposition to solid logs, the glued laminated logs are the result of wooden strips assembly. The glued laminated range is composed of logs made from at least 3 strips to maximum 10. The square logs are available as well in different sizes and are composed of 2 to 8 strips.



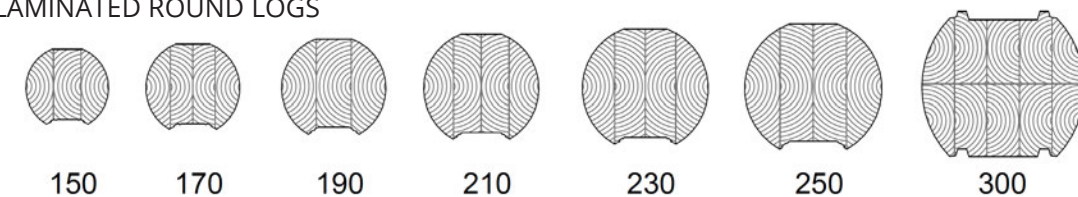
### SOLID ROUND LOGS



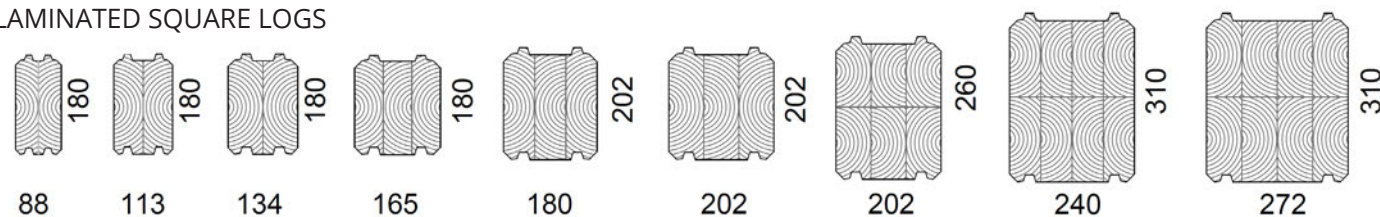
### SOLID SQUARE LOGS



### LAMINATED ROUND LOGS



### LAMINATED SQUARE LOGS



## Terraces & Balconies

Many of Palmatin house models include terraces and balconies. These exterior spaces are ideal in any seasons, to sunbath, enjoy the fresh air or have diner, barbecue and birthday parties with friends.

The terraces create a nice transition between the interior and the garden. Nicely decorated, they offer additional living space and a great playing ground for kids. To enjoy the terrace the larger part of the year, several types of equipment can be installed such as arbour or windbreak. The balconies bring a plus to a house and are beautiful features. Balconies are ideal for creating cosy and charming spaces.

The terraces and balconies can be created with several materials and installed in two ways. The elements can thus be permanent or easy to remove and replace.

### TERRACES

The **wood** offers a warm and natural aspect. A large variety of wood with different features is available, as well as many possibilities in terms of prices.

The wood can be finish with the same products/colours than the rest of the exterior wooden house elements (doors, windows, wooden walls...).

As a wood alternative, the **composite** wood is a 100% renewable material made of resin and wood fibre and offers the same visual as true wood. Its maintenance is however easier.

**Concrete** is an easy and efficient solution to create a terrace as the installation is fast. Nowadays, particular finishing can be created, rather you want a smooth or textured look for instance.

**Tiles** provide a wide choice of colours, patterns and sizes. They can be associate with a traditional facade or modern dwelling. They are mainly used in exterior due to their quality and high resistance to climate change and weather conditions. Tiles do not require particular maintenance and are quite affordable.

The **natural stones** are highly appreciated for their look and features. They are durable, easy to clean and timeless. If particularly slippery, they can be treated with a proper non-skid product. For a smaller budget, the reconstituted stone is less expensive than natural stones with a similar look.



### BALCONIES

As for the terraces, the balconies can benefit from the same flooring types. Thus, you can choose to cover your balcony floor with wood, composite wood, tiles or natural stones.

The balcony flooring can also adopt the natural and mineral aspect of concrete or you can decide to cover it with artificial turf.

The balcony materials will complete the house design and create global harmony. To highlight these house features, it is interesting to play with the texture and colours. Painting a balcony in different colours than the rest of the house will make it eye-catching and give a modern look.

The balcony design can be completed with beautiful furniture and plants.





## HANDRAIL AND GUARDRAIL

Beyond aesthetics, the main role of handrail and guardrail is to ensure safety and security. Surrounding balconies and terraces, they prevent falls.

The handrail and guardrail also complete the look of the terraces and the balconies.

### WOOD



Wood is commonly used for balcony and terrace handrails and guardrails. Wood is perfect to create a romantic and bucolic look and house, but can also be associated with modern design, classic tendencies and colourful styles. As for other wooden elements, it needs to be treated and maintained with proper wood products. Many shapes and decorations can be created in the wood, giving the terraces and balconies a unique and charming look.

### GLASS



Glass is a material of choice to create a panoramic view and enjoy the exterior. Particularly elegant, glass guardrail is modern and timeless. Associated with aluminium, steel or wood, glass surfaces will bring the last touch to the house. You can select several finishing for the glass, including coloured or tempered.

### METAL



The steel, aluminium or stainless steel are efficient, durable and solid. The steel can be forged and give the house different visuals complying with different styles. Aluminium is a light material, available in different colours. The stainless steel is unstained, solid and easy to maintain. It can be smoothen or brushed depending on the desired look. Other metal can also be used for handrail and guardrail such as iron and brass.

### STAINLESS STEEL CABLES



Stainless steel cables are as efficient as any other type of guardrails, yet they are more discreet. They provide a nice view of the surroundings and safety for the observers. This type of guardrail is ideal for letting the light entering the house. The cables dimensions can vary as well as the installation type.

## Wood finishing

Wood is, by nature, extremely resisting to outdoor conditions. The wood finishing is more a question of aesthetics than a real improvement of the wood features. However, it is important to carefully maintain the wood for its durability and to help it save its aspect.

When it comes to maintenance, a wooden facade does not require more efforts than any other types of house, if the products are carefully and properly selected.

You can select among a large choice of colours and finishes, both for logs and claddings, or decide to leave the wood with a natural aspect.

### DIFFERENT WOOD FINISHING

#### STAIN

Stain keeps the natural aspect of wood and acts as protection. Aqueous stains are ideal for cladding as they let the wood breath and are environmentally-friendly. The stain layer has to be applied every 5 years, after proper cleaning of the surface and to preserve the wood in good conditions.

#### PRIMER

Before applying the paint, the wood and surface need to be correctly prepared to ensure good adhesion of the paint, avoid disparities after drying and to prevent resin from flowing out the wood knots. Priming the walls and ceilings is especially necessary if the surface is partly puttied. Without priming, the surface will absorb the paint unevenly and as a result, the wall surfaces might have an uneven level of glossiness. Priming may also be necessary when repainting a surface.

The surface absorbs the primer well, and the primer evens the porosity of different surfaces. It is not important for the primer itself to have great coverage, because the surface will be painted over with a finishing paint. Priming reduces the finishing paint consumption and ensures a lasting result.

#### PAINT

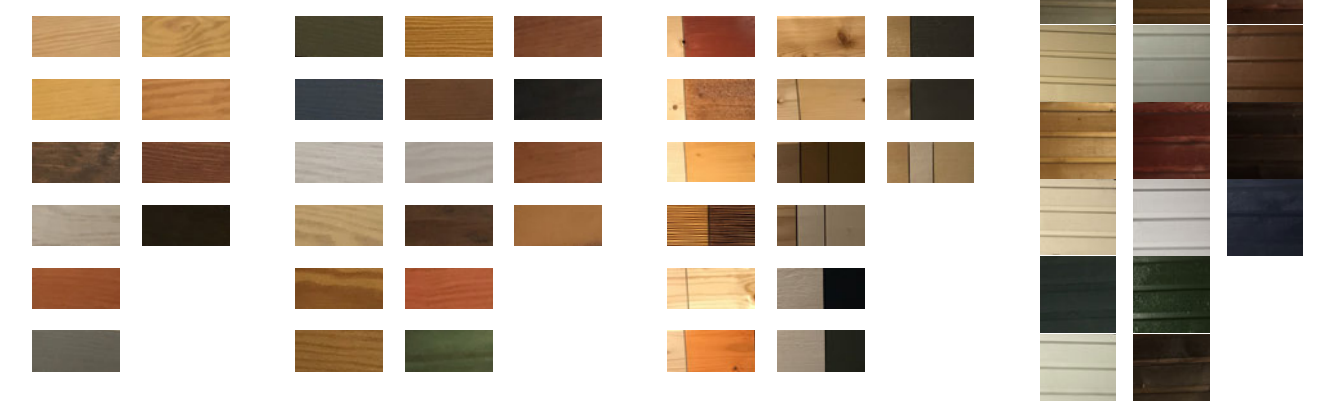
When it comes to painting, you can select among a large choice of colours, finishing, and coverage rates. Water-based paints are recommended for their low-odour, easy application and fast drying. The solvent paints are well absorbed by the surfaces and form a durable protective coat. They are most commonly used on metal and wooden surfaces (windows, doors...) and well adapted for the exterior.

When selected a painting, you can take into consideration the appearances of the surface, the glossiness level of the paint, the colours and tones, the drying delay, the thickness of the layers and finally, the prices.

There are 6 levels of glossiness. The glossy paint is usually the one offering a thicker layer after drying. The glossy paint is washable and durable, but also brings out the smallest roughness the surface may have. Matte paint is less recommended for outdoor finishing since it corresponds more to dry rooms. However, new and innovative paints give the possibility to also have external matt walls and finish.

### EXAMPLE OF WOOD FINISHING EFFECTS

#### Stain and paint











## WINDOWS, BALCONY DOORS & EXTERNAL DOORS

### Windows

Windows highly participate in the comfort level of a house. They allow the light into the home and provide all-day with pleasant brightness. Windows are, if possible, required in every room, as they allow to renew indoor air with fresher one and prevent the setting up of moisture, especially in damper rooms such as the bathroom and the kitchen.

Thanks to innovation and modern technics, it is possible to enjoy broad windows without fearing the cold or the heat and doubt about the house insulation and efficiency. The windows play a large role when it comes to thermic comfort, soundproofing and aesthetics.

Patio doors offer a splendid view of the surroundings and garden and bring in a lot of brightness.

The three standard materials for windows are aluminium, PVC and wood and various glass thickness are available, to comply with weather features and windows orientations. Different opening systems exist to make it easier the open the window where space can be missing, for instance in the kitchen above the sink. The glass surface can be also be adapted to its room: a stretched glass will offer intimacy in the bathroom and coloured glass a nice light play in the corridor.

The Aru windows are high quality as we always take careful attention when selecting our supplier and the products, and in this case, the windows and patio doors are developed to ensure that your homes are full of light and energy-efficient, be it a city residence with a prominent glass façade or a romantic summer house in the countryside.

### External doors

The external doors might respond to a couple of criteria to be efficient, adapted to your needs and worth it. The insulation rate, the comfort of use, the quality, the sturdiness, the design and security are the main element of an external door.

Different type of lockers and security systems can be installed on the doors.

As a matter of fact, it is also the first elements that guests will discover. Therefore, a beautiful door might give a good impression of what is awaiting inside. The glazing, materials, style, colours, handles or even hinges modify the aesthetics of a door.

The external doors are available in different sizes and design among three main ranges, to suit every type of home and client wishes.



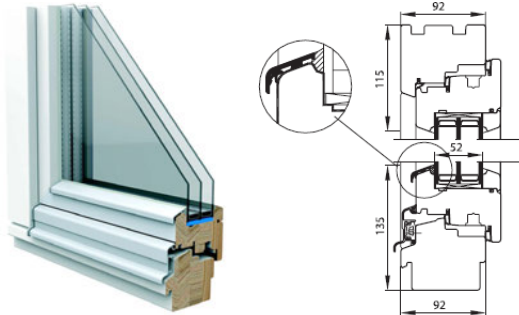


Palmatin proposes aluminium and wooden windows and patio doors, which can have inward and outward openings. Different glass thickness, colours and features are available in the range. The windows and balcony doors all meet the E130 requirements.

The U value corresponds to the heat loss, the smaller the number is, the more efficient the window is.

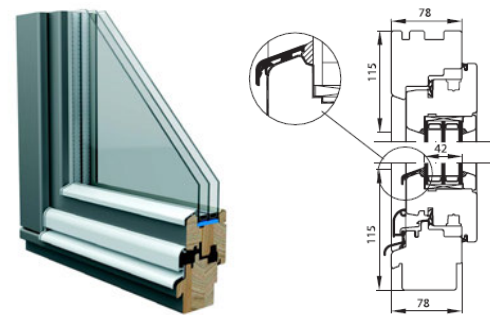
## Wooden windows

### NORDIC 92 IN



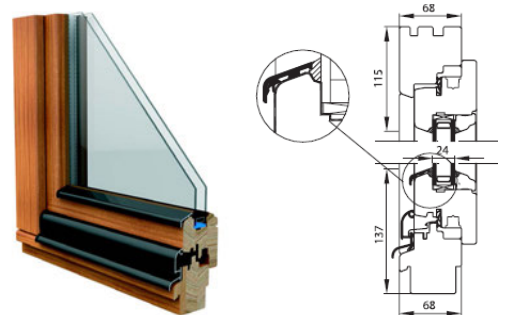
UW = 0.78 - Angular profile - Sash 92 mm - Inward opening

### 78 SOFTLINE IN



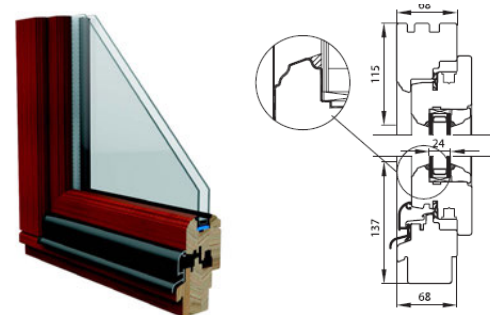
UW = 0.87 - Angular profile - Sash 78 mm - Inward opening

### 68 SOFTLINE IN



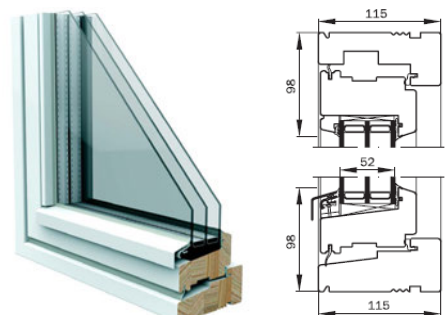
UW = 1.2 - Angular profile - Sash 68 mm - Inward opening

### 68 CLASSIC IN



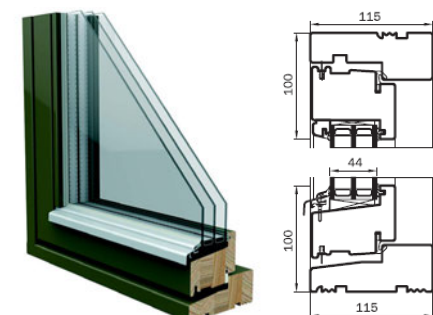
UW = 1.2 - Angular profile - Sash 68 mm - Inward opening

### NORDIC 90 EX



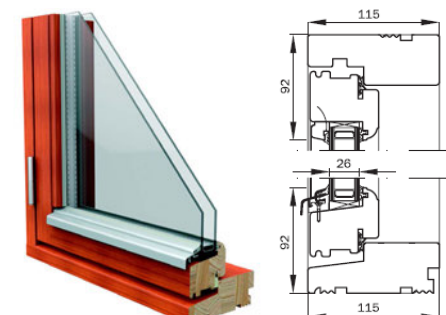
UW = 0.73 - Angular profile - Sash 90 mm - Outward opening

### 78 MODERN IN



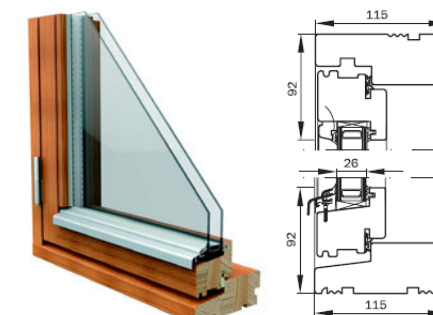
UW = 0.78 - Angular profile - Sash 78 mm - Outward opening

### 60 CLASSIC EX



UW = 1.2 - Angular profile - Sash 60 mm - Outward opening

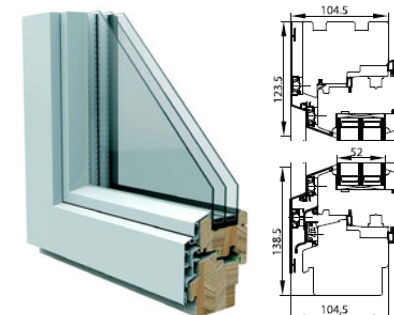
### 60 MODERN EX



UW = 1.2 - Angular profile - Sash 60 mm - Outward opening

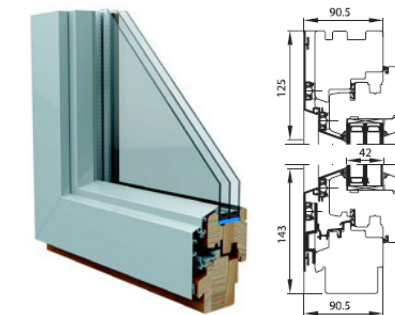
## Wood aluminium windows

### AL NORDIC 92 IN



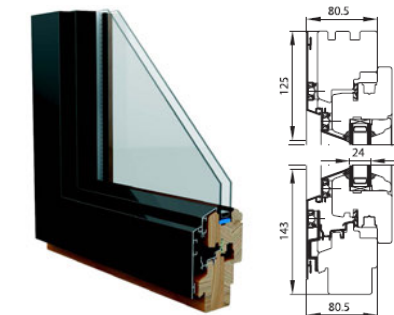
UW = 0.8 - Angular profile - Sash 104.5 mm - Inward opening

### AL 78 CORA IN



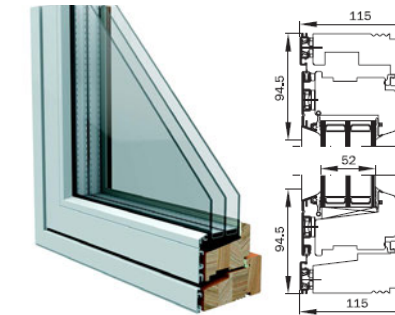
UW = 0.89 - Angular profile - Sash 90.5 mm - Inward opening

### AL 68 CORA IN



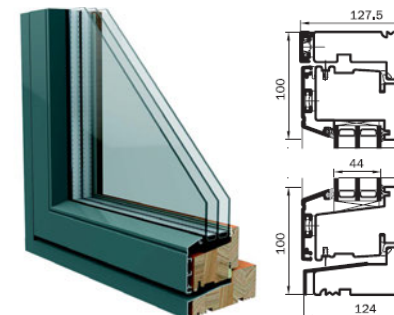
UW = 1.3 - Angular profile - Sash 80.5 mm - Inward opening

### AL NORDIC 90 EX



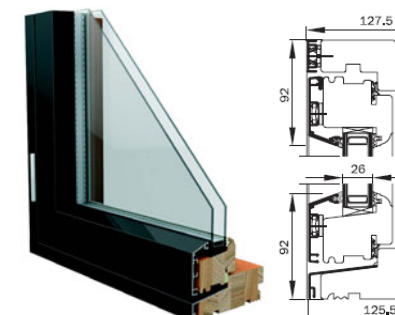
UW = 0.75 - Angular profile - Sash 90 mm - Outward opening

### AL 78 MODERN EX



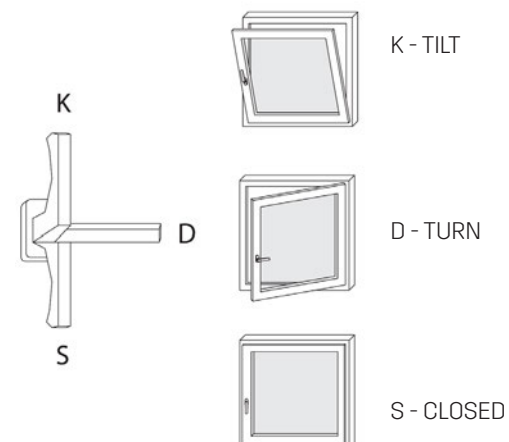
UW = 0.79 - Angular profile - Sash 90.5 mm - Outward opening

### AL 60 NORDWIN CLASSIC EX

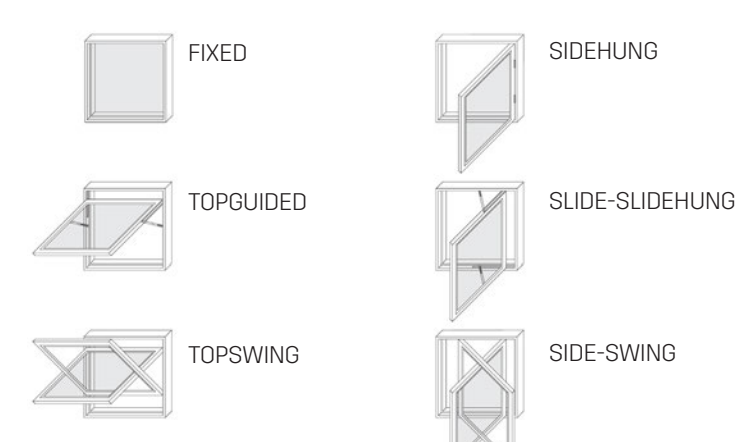


UW = 1.3 - Angular profile - Sash 72.5 mm - Outward opening

## Inward opening



## Outward opening





## Patio doors

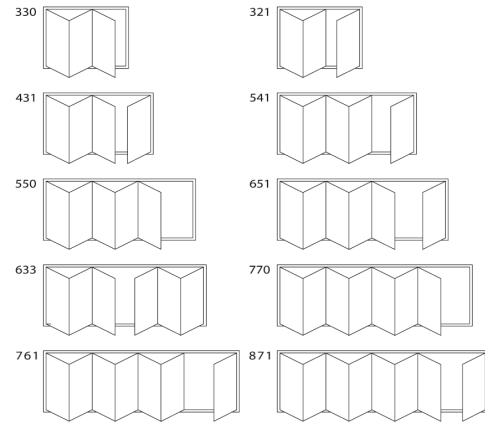
Like the windows, the patio doors and balcony might be selected carefully. Quality products optimise the energy efficiency of the house.

Different models are available in different dimensions, with various features and can be composed of wood or a mix of wood and aluminium. The opening systems are rather inward or sliding. Sliding doors can avoid the loss of space when opening the doors.

### FOLD



OPENING Inward  
PROFILE Angular



#### WOODEN DOORS

DOOR MODEL	Uw	Sash - mm
Nordic patio fold 92 in	0.75	92
Patio fold 78 softline in	0.85	78
Patio fold 68 softline in	1.2	68

#### WOOD-ALUMINIUM DOORS

DOOR MODEL	Uw	Sash - mm
AL Nordic patio fold 92 in	0.78	92
AL Patio fold 78 cora in	0.87	90.5
ALPatio fold 68 cora in	1.2	80.5

### PARALLEL



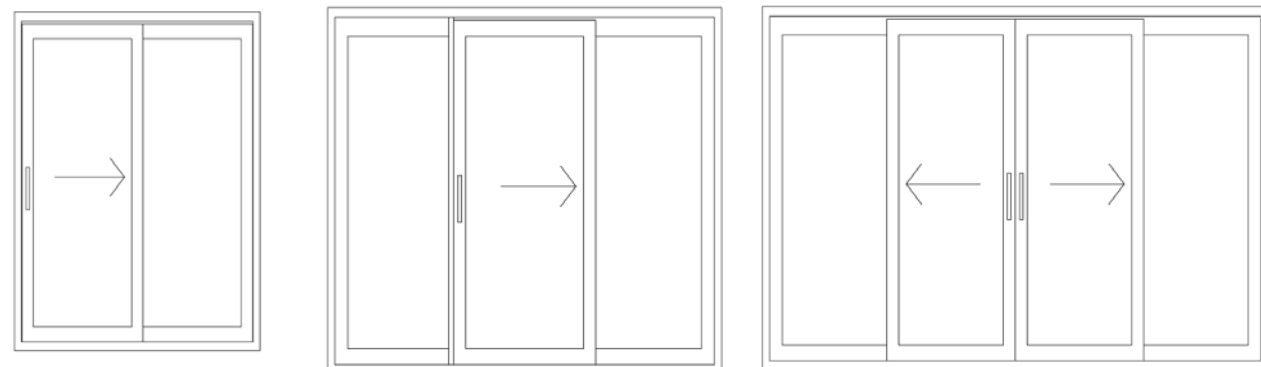
PROFILE Angular

#### WOODEN DOORS

DOOR MODEL	Uw	Sash - mm
Nordic patio parallel 92 in	0.87	92
Patio parallel 78 softline in	1.0	68
Pation parallel 60 classic	1.2	60

#### WOOD-ALUMINIUM DOORS

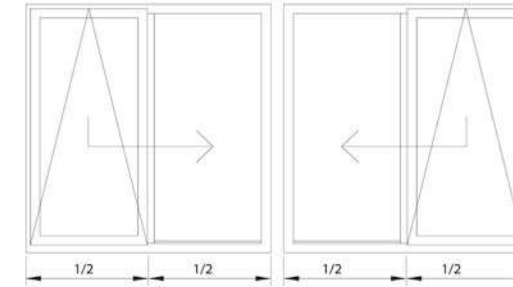
DOOR MODEL	Uw	Sash - mm
AL Nordic patio parallel 92	0.95	104.5
AL Patio fold 68 lara	0.95	80
ALPatio parallel 60 classic	1.3	70.5



### LINE



PROFILE Angular



#### WOODEN DOORS

DOOR MODEL	Uw	Sash - mm
Nordic patio line 92 in	0.72	92
Patio line 78 softline in	0.83	78
Patio line 68 softline in	1.2	68

#### WOOD-ALUMINIUM DOORS

DOOR MODEL	Uw	Sash - mm
AL Nordic patio line 92 in	0.75	104.5
AL Patio line 78 cora in	0.85	90.5
AL Patio line 68 cora in	1.2	80.5

## Balcony doors

### WOODEN DOORS

DOOR MODEL	OPENING	PROFILE	Uw	Sash - mm
Nordic BD 92 in	Inward	Angular	0.75	92
BD 78 Softline in	Inward	Angular	0.82	78
BD 68 Softline in	Inward	Angular	1.2	68
BD Nordic 90 EX	Outward	Angular	0.78	92
BD 78 Modern EX	Outward	Angular	0.84	78
BD 60 Classic EX	Outward	Angular	1.3	60

### WOOD-ALUMINIUM DOORS

DOOR MODEL	OPENING	PROFILE	Uw	Sash - mm
AL Nordic BD 92 in	Inward	Angular	0.78	104.5
AL BD 78 Cora in	Inward	Angular	0.90	90.5
AL BD 68 Cora in	Inward	Angular	1.2	80.5
AL BD 78 Nordwin Modern EX	Outward	Angular	0.9	90.5
AL BD 60 Nordwin Classic EX	Outward	Rusticale	1.3	72.5
AL BD 60 Nordwin Modern EX	Outward	Angular	1.3	72.5



Inward opening windows and balcony doors are technically similar products; the difference is that the dimensions of the balcony doors are equal to external doors.

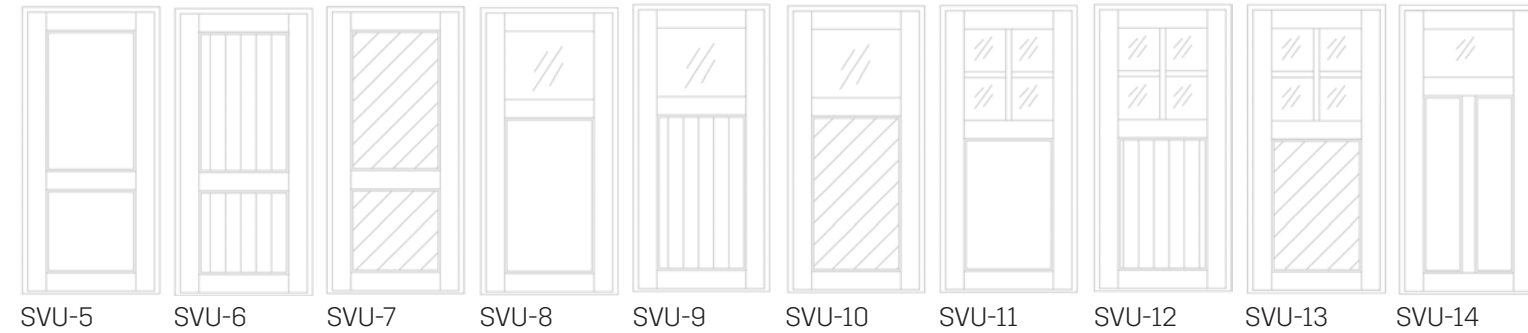


## German style doors

The German type external door is an inward opening massive external door with a sash thickness of 68 mm. Different panel and glass divisions are available allowing the customer to achieve a bespoke design. Only DIN standard locks are suitable for this type of door.



SVU-1 SVU-2 SVU-3 SVU-4



SVU-5 SVU-6 SVU-7 SVU-8 SVU-9 SVU-10 SVU-11 SVU-12 SVU-13 SVU-14

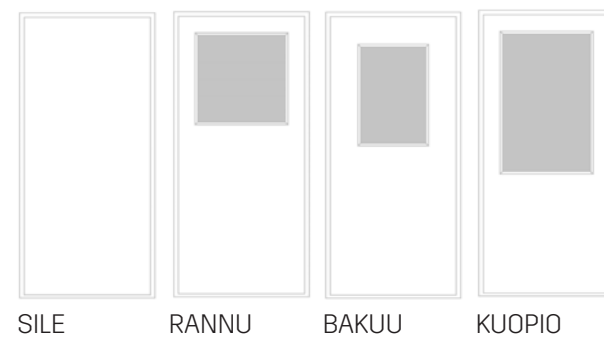


SVU-15 SVU-16 SVU-17 SVU-18 SVU-19 SVU-20 SVU-21 SVU-22 SVU-23 SVU-24

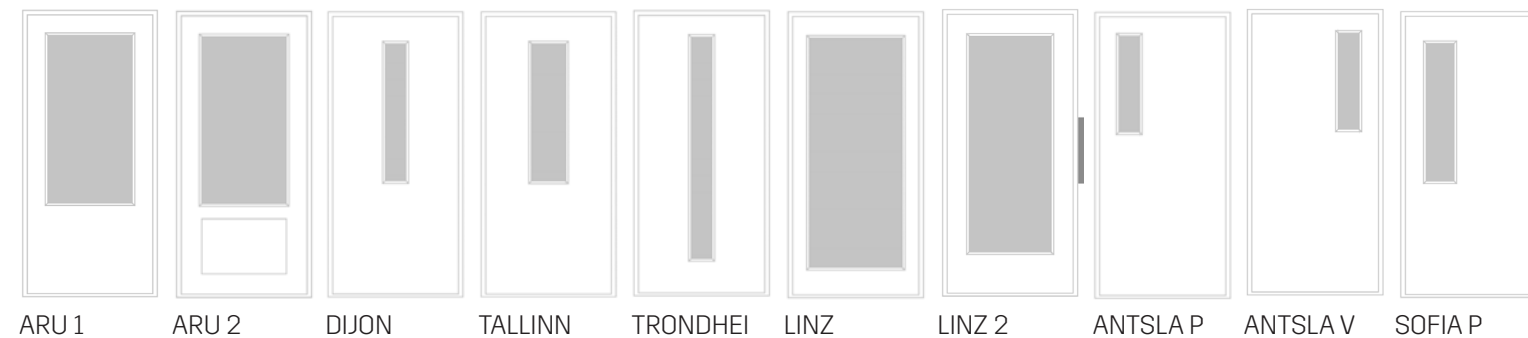
## External flush doors

The outward opening insulated external flush door is a suitable choice for a modern building. The rebate at the front of the door covers the lock. The models are also available with concealed hinges.

The door is finished either by paint or covered with veneer. Different patterns and glazing openings are available to comply with the clients' wishes and needs.



SILE RANNU BAKUU KUOPIO



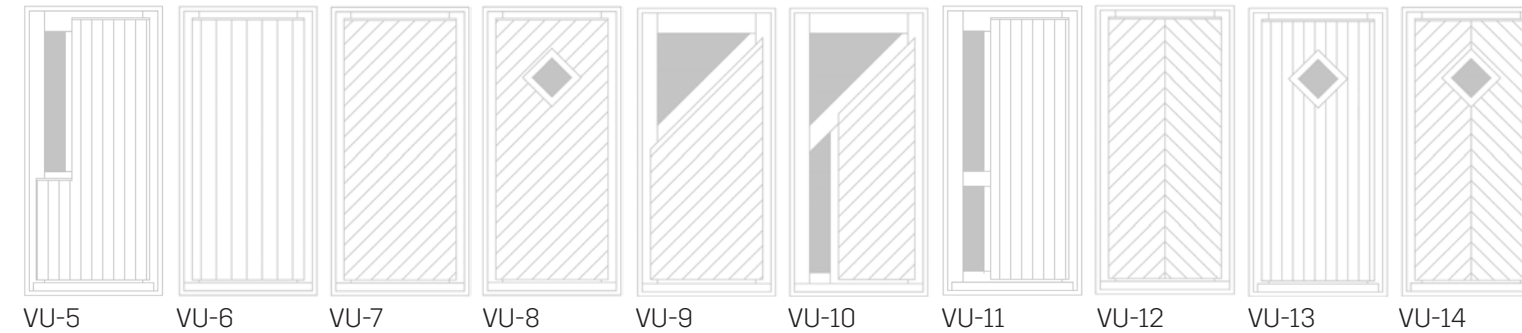
ARU 1 ARU 2 DIJON TALLINN TRONDHEI LINZ LINZ 2 ANTSLA P ANTSLA V SOFIA P

## Profile blanking doors

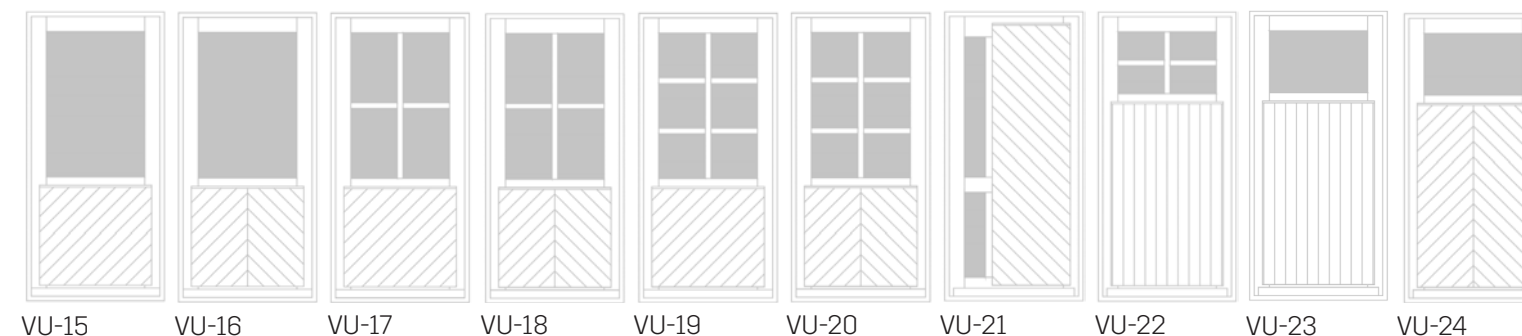
The outward opening insulated external door is composed of a 50 mm timber sash and a profile blanking. The design is suitable for any types of buildings but is particularly well suited for country cottages and summer houses. The doors look robust and massive. Different designs and measurements are available.



VU-1 VU-2 VU-3 VU-4



VU-5 VU-6 VU-7 VU-8 VU-9 VU-10 VU-11 VU-12 VU-13 VU-14



VU-15 VU-16 VU-17 VU-18 VU-19 VU-20 VU-21 VU-22 VU-23 VU-24





## Windows

A particular style effect, a glossy colour, a blurred aspect for privacy, or an anti-cut glass... These are the elements you can personalise when selecting the windows and doors for your house.

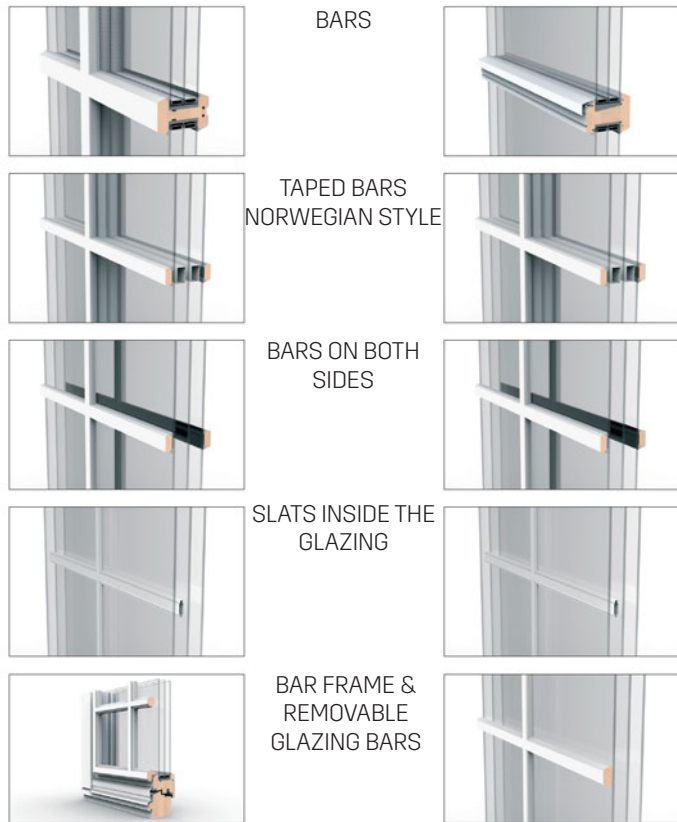
Quality doors and windows will bring design touch to the building and comfort inside the house.

### GLAZING BARS

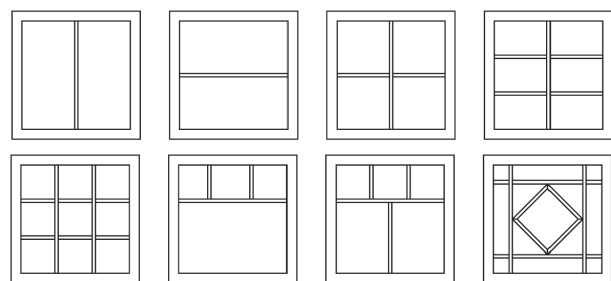
Different type of glazing bars can decorate the windows and glass surface, whether they have inward or outward opening. The glass bars add a particular style and charm to windows and doors.

Inward opening

Outward opening

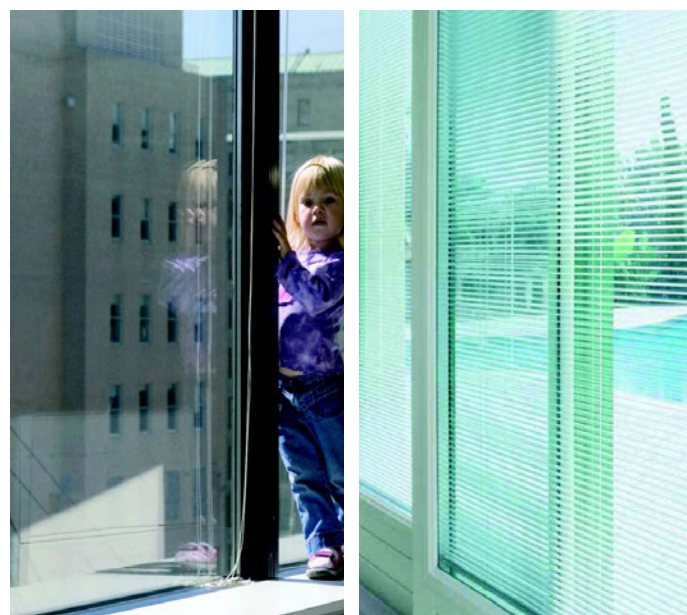
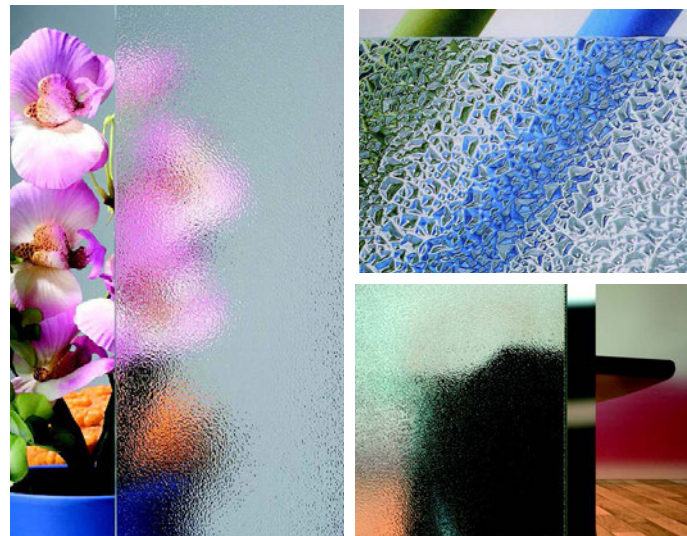


Bar patterns



### WINDOW AND GLASS FEATURES

The window glazing and glass surfaces of doors can be treated with specific products to provide special features and effects.

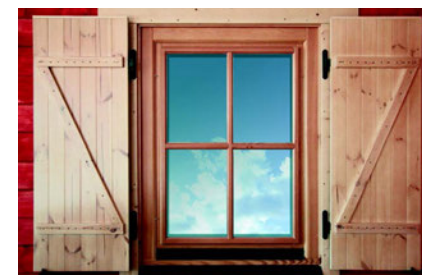


## Materials, type of wood and finishing

All of the windows, patio doors and balcony doors are deep-impregnated in order to provide a longer resistance to weather conditions. The deep-impregnation is done after cutting the profiles and tenons and before fitting the frames together than ensures the deep-impregnation even in the joints. For finishing, we use water-based paints or stains of client's choice. Three varieties of wood are proposed.



### EXTRAS



Board hatches

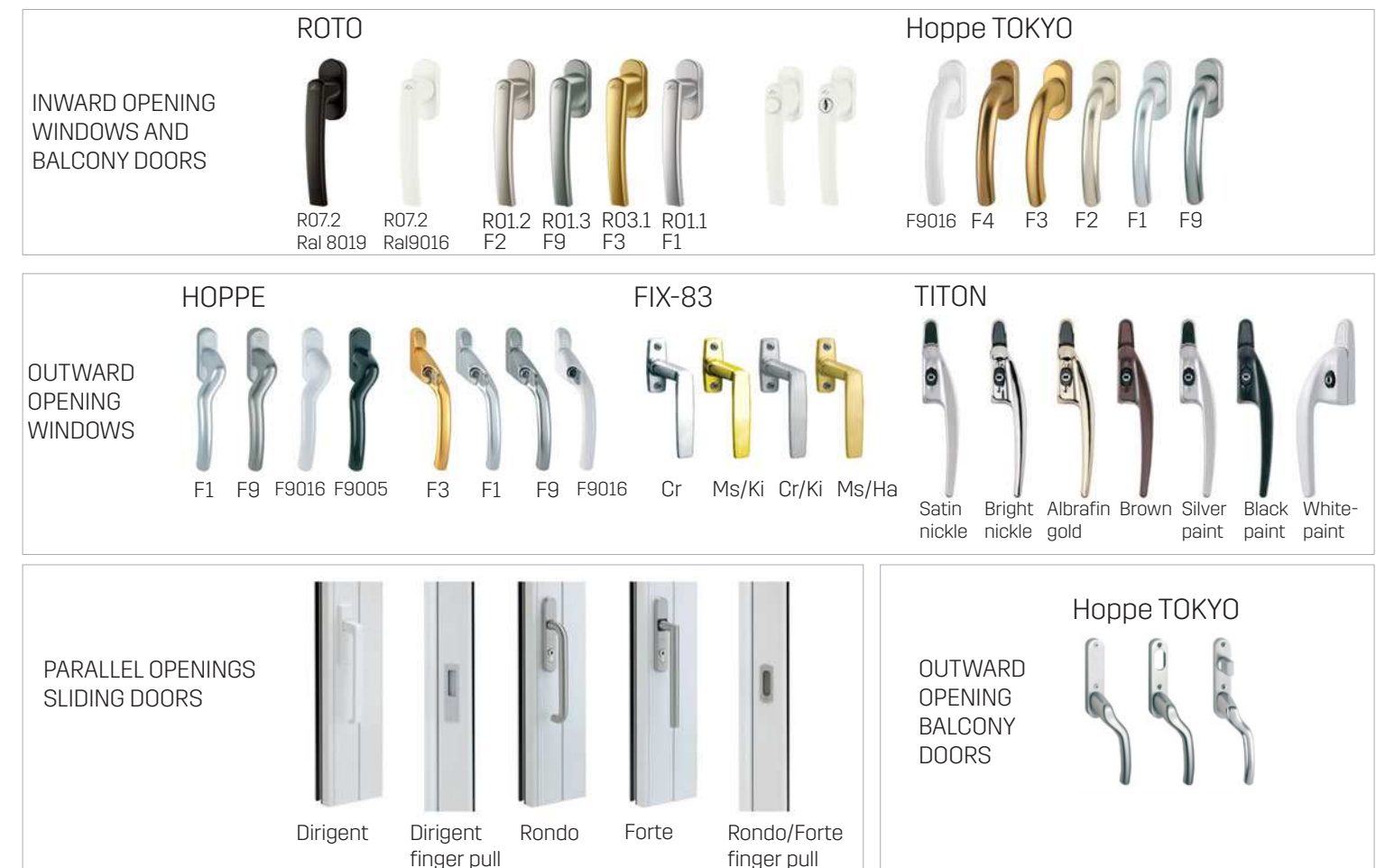


Laminated hatches



Insect nets

## Handles







# INTERIOR



# INTERIOR DOORS



## A door to match your interior

The appearances and details of interior doors should not be disregarded as they participate in the interior design the same way other interior elements do. The doors delimit the spaces in the house and give everyone privacy and intimacy.

Palmatin proposes solid and quality doors, with various options of shapes and finishing, to provide our clients with the last touches for their interior.

## Materials and models

The range of Palmatin interior doors is composed of various models with round and square shapes, reliefs and decorations. The doors can be made only of wood or integrate glass surfaces.

Both traditional and flush doors are composed of pine or hardwood. The flush door is made with both horizontal and vertical veneers. The door is fitted with an oak or ash threshold and its leaf is 40 mm thick

The door models are suitable for both traditional and modern interior. The traditional solid timber panel door reinforced the elegance in a classic interior, whereas the flush door suits a more contemporary design. The doors can be made on measurements to match the house features and clients requested dimensions.



PINE



SOLID WOOD

## Finishing options

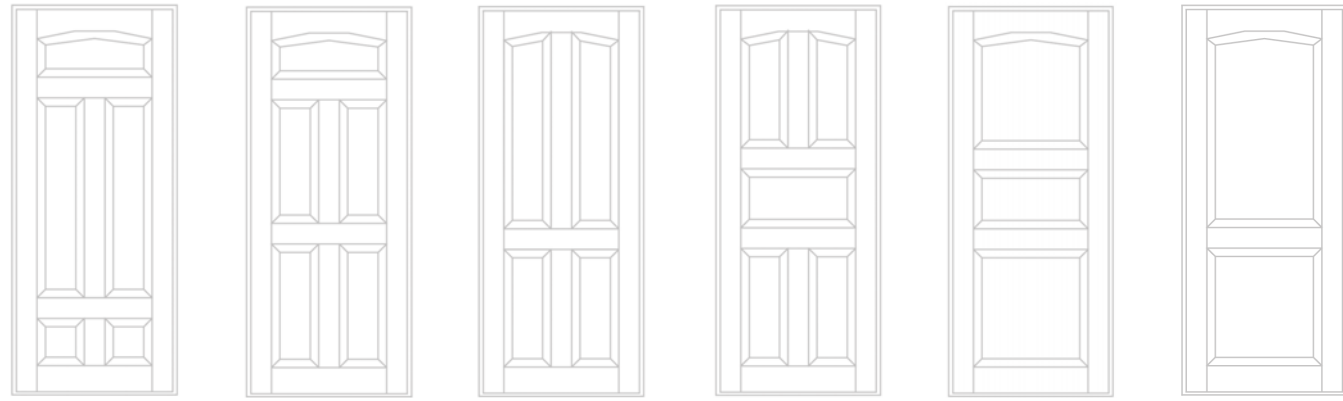
Palmatin doors can be finished with lacquer, oil or stain+lacquer (oil).

- KNOT** | The choice of timber includes knotted and knot-free laminated pine. It is up to you to select the final look.
- LACQUER** | By using lacquer, the wood is coated and protected with a thin transparent layer. The coat protects against scratches, dust and natural wear. The lacquer can be glossy or matt and usually is colourless, but it is also possible to find a variation of colours.
- STAIN** | The stain penetrates the wood and, after drying, remains as a protective layer. The drying process is longer for stain than for lacquer. Stained wood is protected from dust and moisture. The stain keeps the natural aspect of the wood, yet is available in different colours.
- OIL** | Wood oil is made to penetrate and efficiently nourish the wood. The natural aspect of wood preserved and the wood structure is embellished.
- GLASS SURFACES** | The doors including a glass surface can be finished with different glazing options, as it is the case for windows and external doors. Blurring effects will provide more privacy yet keep the beauty of the wood and glass association and let the light goes through.

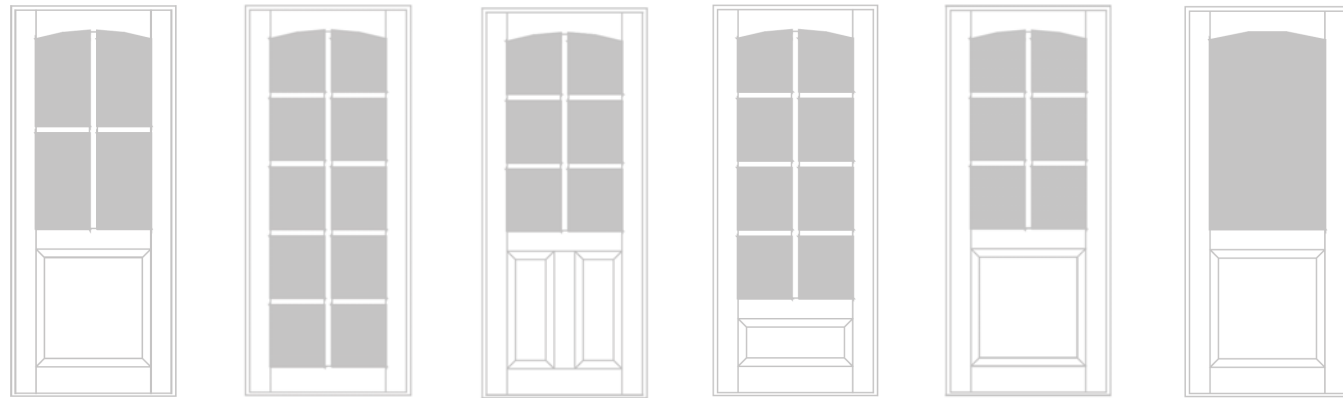




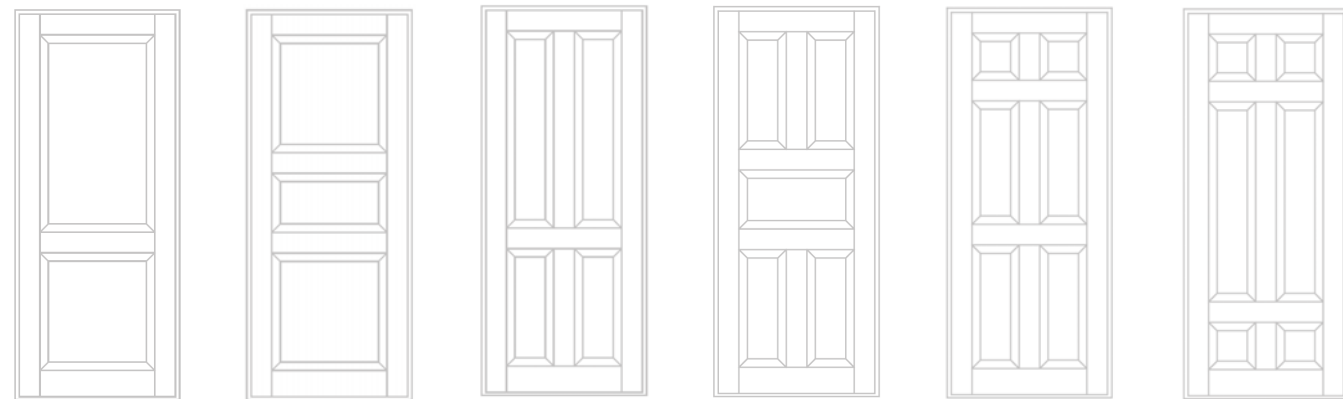
# Interior doors



JUHAN    ARGO    REIN    TONU    IMRE    HANDO



MAARJA    KAIE    ANU    EVE    EDA    EEVA-KAARIN



IVO    PRIIT    KALVI    EINAR    MADIS    TIIT



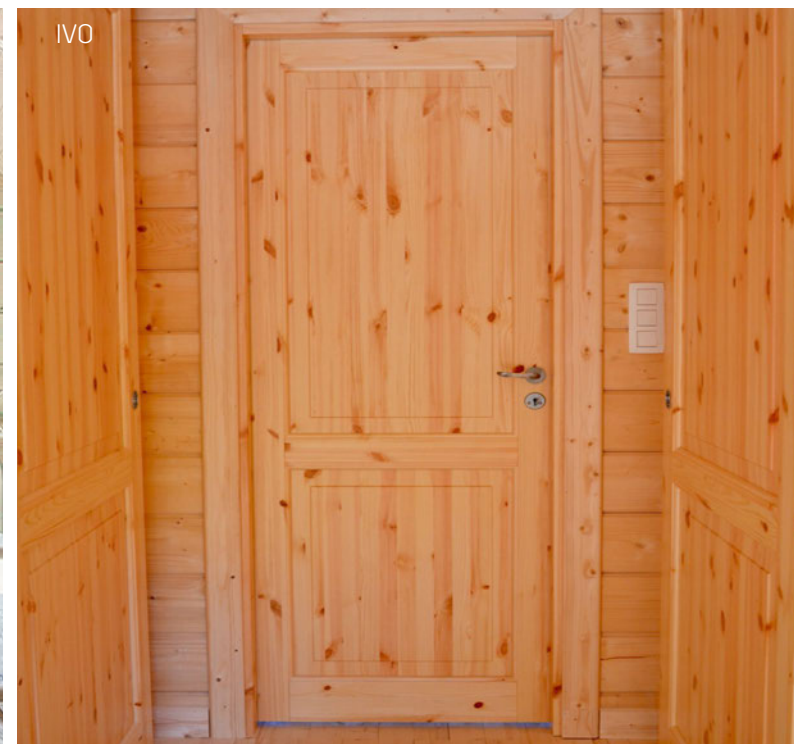
AIVE    ANETTE    KRISTI    TIINA    TEA    EGLE    MARVE    MARI



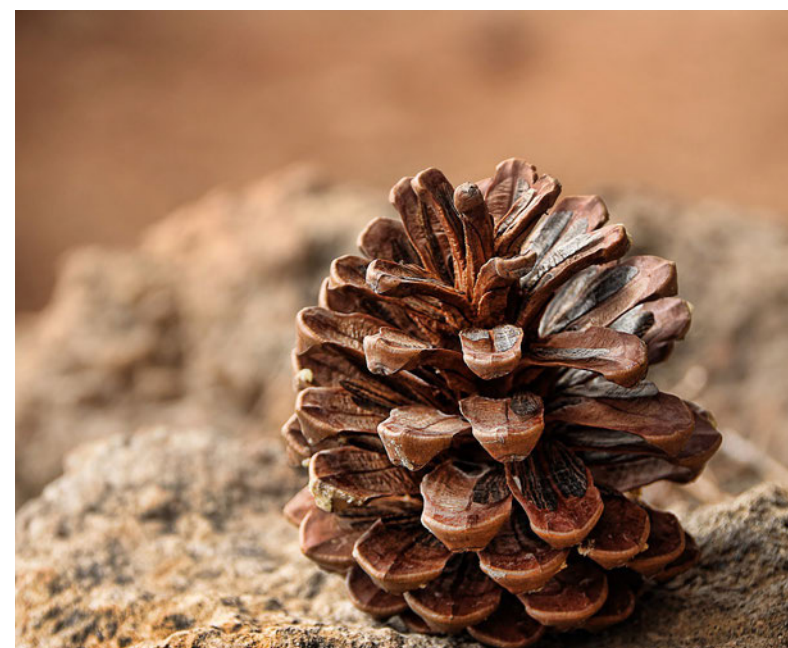
PRIIT



PRIIT



IVO



IVO





## STAIRS & HANDRAILS

## Staircases

Safe, durable and expressive - in our opinion, this is what a staircase should be and look like.

The safety level of a staircase is highly significant to prevent falls and loss of balance, being sometimes the cause of serious injuries. The risers, step dimensions, handrail or railing are elements participating in the staircase security. It is even more important to secure the stairs for young children or elders.

The quality of the staircase materials is crucial for building durable and reliable stairs, as it will be used every day. As a house investment, the staircase needs to last through time, provides the same safety year after year and keeps beautiful appearances.

The stairs are expressive and bring to a room and a residence a lot of character. A staircase can define the style of the interior design, this is why, the selection of materials, finishing and structure should not be forgotten. The staircase configuration will ensure comfort when climbing and, if well thought, will match with the layout without wasting space. Furthermore, solutions exist to make the stairs also functional and optimise the space.

The staircases are manufactured using advanced technology and the savoir-faire, which ensure high quality, quick and efficient work.

Together we will find the best solutions to create the perfect stairs for your interior, but also in terms of price, material, design and colour.

Your home is special, so is your staircase.

### Choosing or designing a staircase

Choosing the right stairs for your home can be challenging as many options and design exist. The staircase is not only a home component and decoration element but ensures safety, needs to be practical and durable.

To help you make the right choice, here are some questions you can go through during the staircase selection or design process:

- How is the safety of the stairs ensured? How to improve it?
- What are the staircase measurements?
- Where will the staircase be placed and what are the house and room features that need to be taken into account (windows, open-space, staircase options, etc)?
- What can be the staircase shape? Which one can suit the space the most? Which one do I want?
- Who will be using the stairs the most (kids, adults, elders, pets, etc)?
- What design do I want for the stairs (open step, no railing)?
- What design do I want for the handrails?
- What materials to select for the stairs and its components (glass, metal, wood, etc)?
- What is the budget?





## The staircase shapes

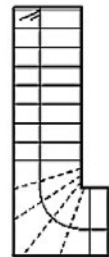
Different staircase shapes are available and possible to fit the interior space and features, match the ideas and design. Some shapes are more common and can be found when selecting a prefabricated staircase. The standards shapes show several advantages and are often more affordable than a custom-made staircase.

### MOST COMMON STAIRCASE SHAPES



STRAIGHT STAIRS

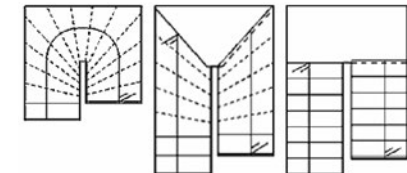
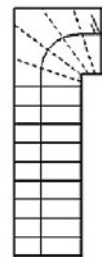
- Comfortable;
- Easy to install;
- Economical;
- Minimalist design, ideal for matching a lot of styles;
- Variation: middle landing,



1/4 TURN WINDER STAIRS

When the steps are used to create the turn, the staircase is qualified as a winder.

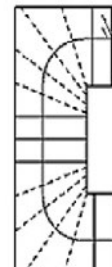
- Turn at the bottom or top;
- Comfortable;
- Ideal for corners;
- Visually interesting;
- Variation: flat landing.



2/4 TURN / U-SHAPE STAIRS

The 2/4 turn staircase is an intermediary between the 1/4 stairs and the spiral stairs.

- More adapted to certain architectural plan;
- Space-saving;
- More attachment points;
- Variation: winder, semi-winder, flat-landing.



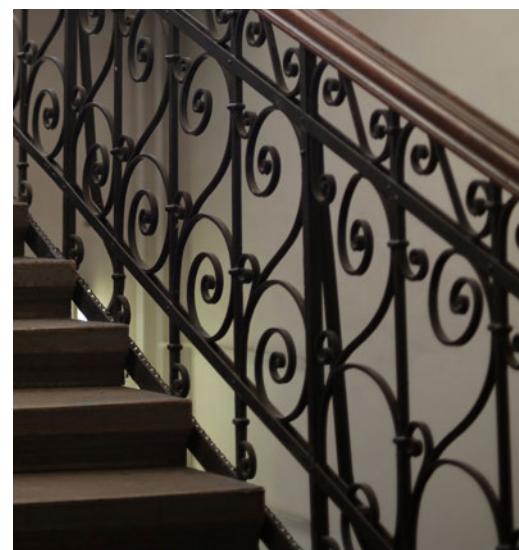
3/4 TURN WINDER STAIRS

Compared to the 1/4 turn stairs, the 3/4 turn staircase possesses two turns. It can, for instance, be placed alongside a wall.

## Security and handrail

The safety of the stairs is ensured by its solidity, quality, structure and good installation. If the steps and the dimensions of the stairs play a role in the security and provide comfort, the handrail is also fundamental for protection. The handrail goes from the bottom of the stairs and usually surrounds the landing on the first floor. It prevents the fall and the loss of balance, especially for young children and elders.

If you decide to install a handrail, be sure to comply with the security norms and the mandatory measurements.



## Design, materials and finishing

### MATERIAL

A staircase is an integral part of the interior decoration. Many styles can be created by mixing materials and thus match the design of your house.

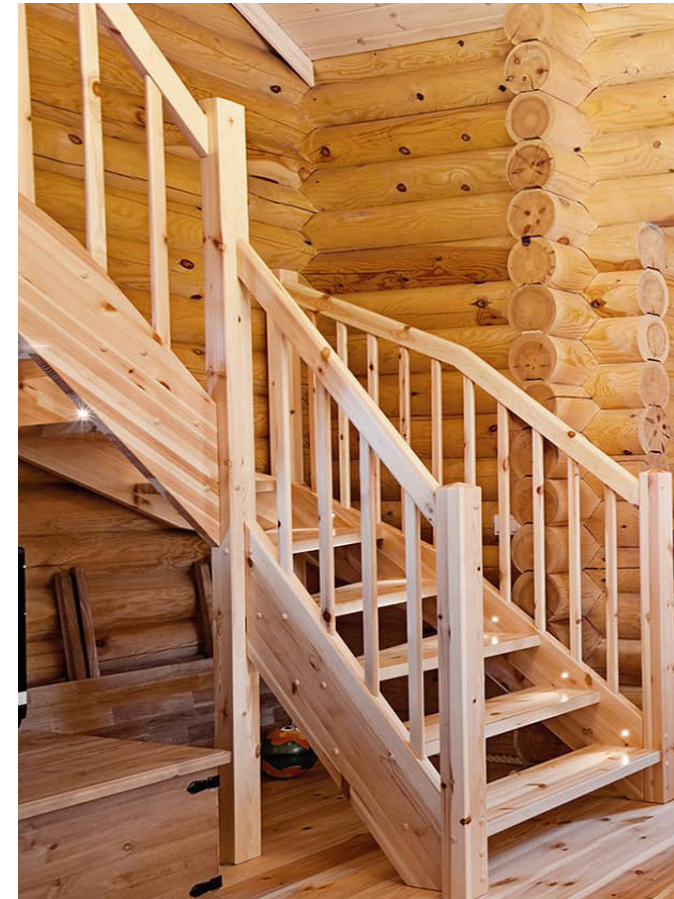
Most of the stairs in the houses are mainly made of wood. The wood offers good resistance and durable. It always brings a warm atmosphere and is easy to associate with decoration styles. Many varieties of wood are available and suitable for stairs, such as birch, oak, pine or ash.

However, you can also decide to mix the wood with another type of materials such as concrete, metal or glass for instance.

### DESIGN

The stair design and final look do not only depend on the materials, but also the shape, structure, and finishing of the stairs. Different options can be selected for the stairs structure, in addition to its shape:

- **CLOSED STEPS:** the closed step provides higher safety when climbing the stairs. The closed step stairs are looking traditional and classic than open steps staircase.
- **OPEN STEPS:** the stairs adopt a contemporary and modern look. As the risers are open, the open step solution also offers more luminosity in the room as it let the light through the stairs.
- **HANDRAIL/RAILING POSITION:** The railing and handrail can be placed on both sides of the stairs. It is also possible to install the handrail or the railing only on the exterior side of the stairs or just on the wall. If desired, both can be completely removed, offering a spacious and modern staircase.
- **HANDRAIL/RAILING DECORATION:** The handrail and railing can both be decorated. The wood can be carved or sculpted, the metal can be forged and the glass stained.
- **INTEGRATED LIGHT:** to give an original touch to your stairs and make them more practical, light spots and rail can be integrated on the handrail or into the stairs structure.



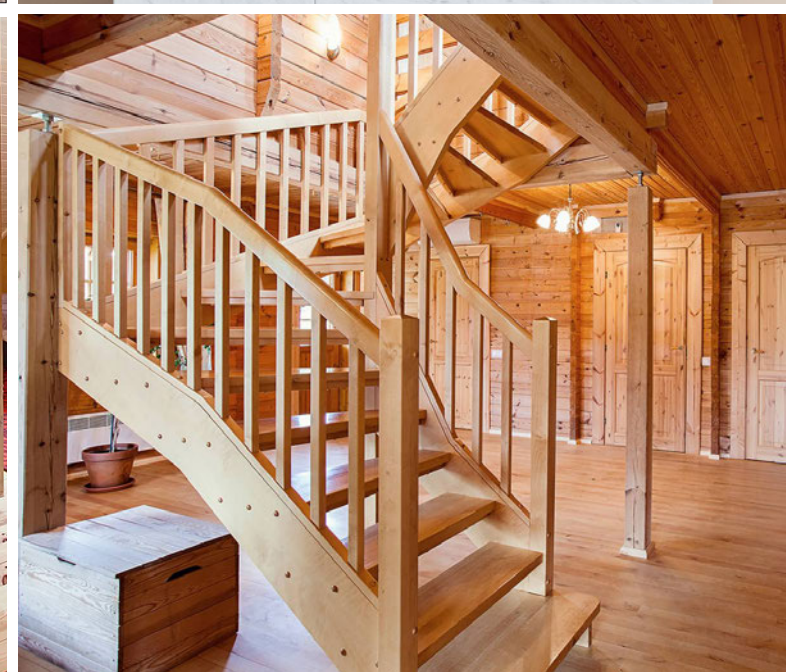
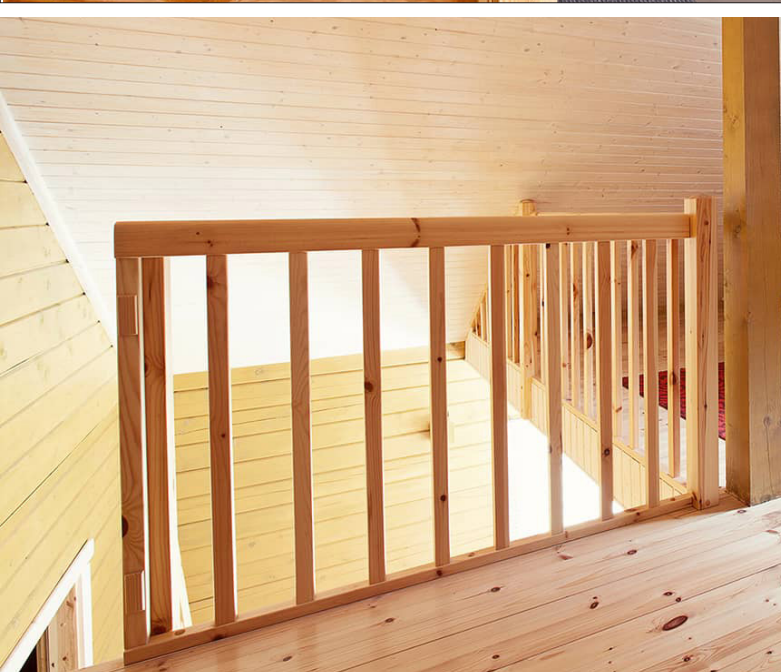
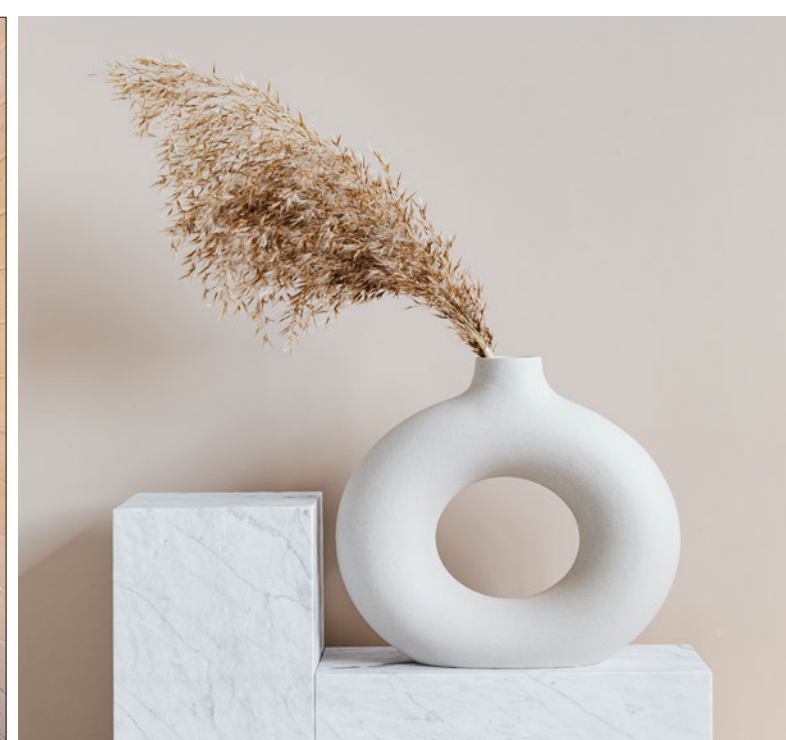
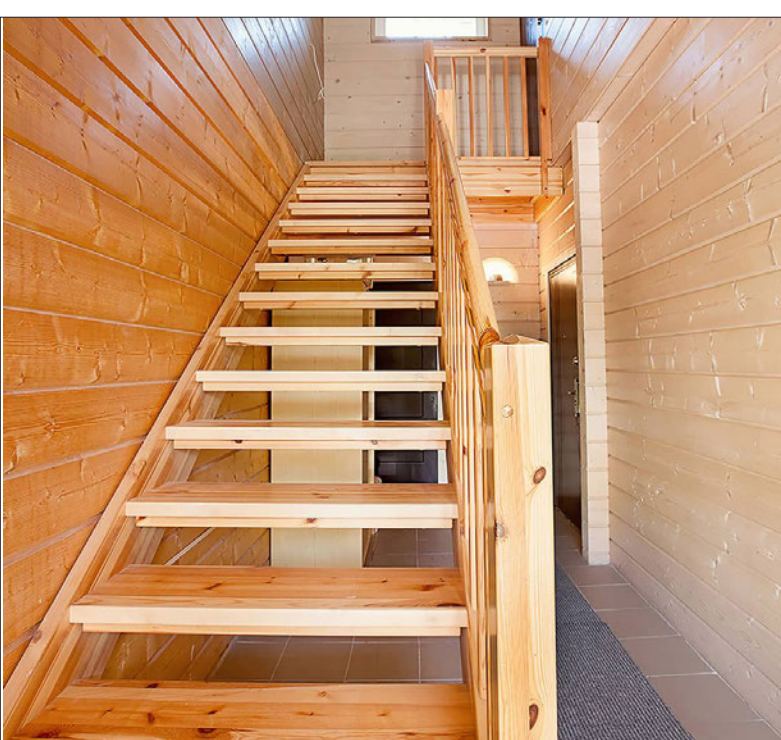
### FINISHING

A large choice of finishing is available to give the stairs the final touch and look. The rustic aspect of wood can be simply protected and nourished with oil, wood patterns can be preserved with a stain or by using a lacquer. The wood can also be painted with any colours as far as the paint is appropriate for wood. When selecting the finishing, be sure to carefully select a product able to protect the stairs from everyday use.

## Your stairs on measurement

The staircase can also be created on measurement, giving the possibility to start the design from scratch and use all the accessories and materials freely. This solution allows creating a unique staircase specifically matching an interior. The stairs can take any shapes, including curved or spiral ones and follow the features of the house walls and room.





**OPTIMISING THE SPACE**

It is common to have a lot of free space left under the staircase. This space is a great opportunity to create storage and to increase the functionality of a house. Cupboards, shelves, wardrobes can be clever solutions not to lose any space.





## An interior for every taste

When we think of a wooden house, we often imagine a robust and imposing house all made of wood, with dark tints, charming appearances of the rustic chalet and massive wooden furniture. This idea is nowadays not so true.

Palmatin designs and manufactures houses to comply with any kind of tastes. Therefore, the wooden houses, constructions and prefabricated houses are adapted to any kind of finishing, decoration and design. A wood house interior is not necessarily only made of wood and a prefabricated house can be composed of a parquet floor or wooden cladding on the walls. Therefore, a wooden house can have a modern and contemporary interior and a prefabricated house classic lines and styles.

Each house is unique and so is its interior. Both log constructions and prefabricated houses can be customised with a large panel of finish materials, colours, textures, and design to fulfil the owner expectations and wishes.

As we know, it is sometimes challenging to identify all the finishing options and choose the best solutions to make your project a reality. This is why we are always available to advise you, provide you with information and guide you during your house construction, from the first piece of wood to the last brush stroke.

### What flooring for your house?

Many flooring materials are offering interesting features and characteristics. The choice of the flooring material depends mainly on its aesthetics and location in the house. For instance, some floorings are more adapted to the bathroom than other types. From one material to another, the final design can also completely modify the look of an interior. Therefore, the main factors influencing the choice are the appearances and the cost of the products.

When selected a flooring, you can take into consideration:

- The flooring quality;
- The characteristics of the flooring (water resistance, chemical product resistance, etc);
- The room where it will be placed;
- The technical constraints of the room;
- The ease of flooring maintenance and clean-up;
- The flooring look;
- The budget and costs of the material and installation;
- The installation difficulty if you plan to install it.

#### **CORRIDORS & ENTRANCE:**

The flooring might be easy to clean and solid as it is used in transit areas and often exposed to dust, water, snow, leaves and shoe prints.

#### **LIVING ROOM:**

The flooring might be durable due to everyday walking, however, the living room is the perfect area to play with the design and create a unique style. A large range of material is adapted for this room.

#### **KITCHEN:**

The kitchen floor is highly exposed and must be resistant. Be sure to select a quality flooring, durable, but also easy to clean and if possible watertight.

#### **BATHROOM & TOILETS:**

The main constraint of a bathroom and toilets is the moisture. The flooring has to be adapted to a lot of water and humidity exposure. However, innovation enlarges the material choice.



#### **BEDROOMS & STUDY ROOM:**

Like the living room, the bedrooms and study rooms are ideal for creating a comfortable design and integrate refine, original or classic floor. A soundproofing material can be a plus. For the kids' room, a resistant and easy to clean material is an excellent option.

#### **GARAGE:**

This room is often used to store large devices or equipment, garden tools, cars or do DIY and is often exposed to grease, car tracks, dust, etc. Here, the design is not the priority. Robust and waterproof materials such as slabs or resin floor will suit.

#### **SAUNA:**

The sauna floor might be resisting to numerous cleaning, moisture and humidity. It is also recommended not to take a material too slippery.

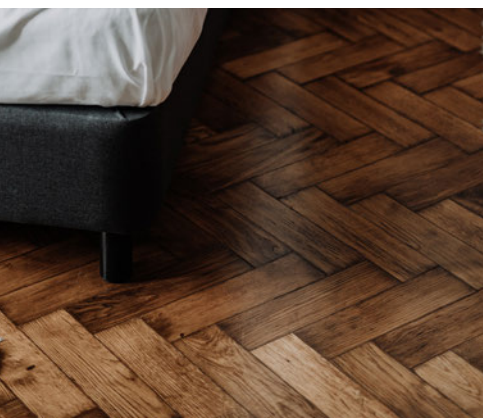
## INTERIOR FINISHING OPTIONS WALLS, FLOOR & CEILING





## TILES

<b>COMPOSITION</b>	stoneware, sandstone, terra cotta, concrete, marble...
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• One of the most common material in housing;</li> <li>• Extremely resistant and durable;</li> <li>• Easy to clean;</li> <li>• Good insulation;</li> <li>• Some tiles are suitable for floor and walls, creating harmony;</li> <li>• Any type of prices, depending on the sizes, the materials, the quantity needed...</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• A large choice of colours, textures, sizes, effects, design...;</li> <li>• Stone/concrete and other material imitation;</li> <li>• Any type of design can be created with tiles</li> </ul>
<b>INSTALLATION</b>	The tile installation has to be made on a flat surface. The ground level has to be regularly checked during the installation to keep the flooring straight and the seal has to be regular. The tile installation is a glue-down installation.



## SOLID WOODEN FLOOR

<b>COMPOSITION</b>	Ash, oak, walnut, pine, birch, exotic woods, maple, chestnut...
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Some types of wood can suit a room more than others, depending on their durability and hardness. To know the hardness of a wood variety, you can refer to the Janka scale (hardness classification);</li> <li>• Natural and breathing material;</li> <li>• Average durability: up 100 years if excellent maintenance,</li> <li>• Warm aspect and easy to associate. Can create ambiances in the interior,</li> <li>• Good insulation;</li> <li>• Investment trough time: the wood can be renovated a few times (sanding + finish);</li> <li>• Added value to a house: Highly appreciated</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• Different sizes and thicknesses: can help make a room look bigger or longer</li> <li>• Patterns can be created to bring an original touch</li> </ul> <p>The wood aspect will depend on its variety and finishing. You can give an untreated wood all type of finishes and nuances but make sure that the finishing is adapted to the room.</p> <ul style="list-style-type: none"> <li>• <b>Oiled:</b> authentic look, nourishing, matt finishing, regular maintenance,</li> <li>• <b>Waxed:</b> traditional finishing, aesthetics, more delicate maintenance</li> <li>• <b>Stained or lacquered:</b> matt or glossy finishing, protect from scratches and marks, easy to maintain, resisting. Many colours are available.</li> <li>• <b>Painted:</b> the aspect will depend on the type of paint (matt/glossy/shiny/satin). Many types of paints and colours are available (undercoat, all in 1, thickness...)</li> </ul>
<b>INSTALLATION</b>	Generally, the solid wood is stuck to the surface with a specific adhesive. Glue-down installation. The wood can also be nailed on joists, clipped (tongue-and-groove) or floating (rare).
<b>MAINTENANCE</b>	Wood is a living and breathing material, which needs to be maintained, treated and cleaned with adapted products and depending on the finish treatment.



## ENGINEERING WOOD

<b>COMPOSITION</b>	Layer of hardwood bonded over a substrate of high-quality plywood
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• More affordable than solid wood.</li> <li>• No visual distinction with solid wood once it is installed.</li> <li>• Can be sanded and refinished but not as much as solid wood (thinner wood plank);</li> <li>• Robust;</li> <li>• Good resistance to moisture and temperature variation,</li> <li>• Average durability: 30 years with good maintenance</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• Different sizes and thicknesses,</li> <li>• A large choice of colours, touches, textures and finishing aspects</li> <li>• Can be moderately sanded (the first layer of massive wood is thinner than solid wood)</li> </ul>
<b>INSTALLATION</b>	Glue-down, nail-down, floating
<b>MAINTENANCE</b>	The laminate needs to be cleaned with adapted products for wood. Easy to clean. Can be wiped

## LAMINATE FLOORING

<b>COMPOSITION</b>	Several layers: <ol style="list-style-type: none"> <li>1. The laminate layer is an overlay protecting against wear and tear. The coating is a special synthetic resin-treated cellulose making the flooring tough with durable surface. It gives its appearances to the flooring.</li> <li>2. A design layer, made from one or several layers.</li> <li>3. A moisture-resistant glued HDF core board</li> <li>4. Layer for balance and stability</li> </ol>
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Resistant to scratch, fade, and impacts</li> <li>• Durable.</li> <li>• Affordable (the price varies with the product thickness)</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• Wood/stone imitation.</li> <li>• Different sizes and thicknesses.</li> <li>• A large choice of colours, touches, textures and finishing aspects</li> </ul>
<b>INSTALLATION</b>	Glue-down, clip and floating
<b>MAINTENANCE</b>	Easy to clean. Can be wiped.



## CARPET FLOORING

<b>COMPOSITION</b>	Depends on the carpet model and its aspect Synthetic or natural fibres, fabric, polypropylene, wool...
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Warm, welcoming and comfortable;</li> <li>• Improve the indoor air/climate by holding the dust,</li> <li>• Good insulation,</li> <li>• Can be classified for their deterioration speed, fire resistance...</li> <li>• Allergic people can be sensitive to carpet flooring</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• Different thicknesses;</li> <li>• A large choice of colours, patterns, touches, textures and finishing aspects</li> </ul>
<b>INSTALLATION</b>	Easy to install. The carpet can be glued or put directly on concrete/tiles as its own weight prevent it from moving
<b>MAINTENANCE</b>	Easy to clean. Vacuum regularly. Needs to be washed from time to time. Different washing solutions exist such as soft soap, dry soap... The cleaning can be operated by a professional.

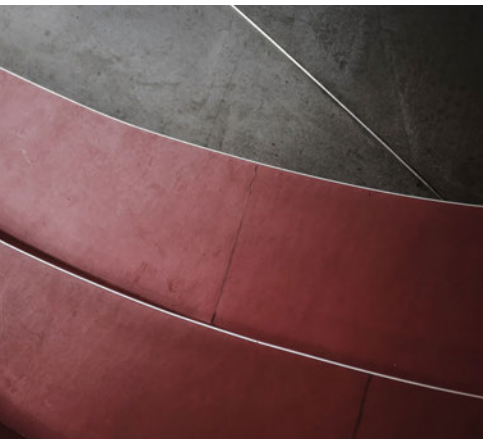


## NATURAL CARPET FLOORING

<b>COMPOSITION</b>	Coconut, sisal, seagrass, wool...
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Environment-friendly;</li> <li>• Robust;</li> <li>• Aesthetics;</li> <li>• Very good insulation;</li> <li>• Suitable for persons with allergies;</li> <li>• Does not accumulate the dust;</li> <li>• Air quality improvement: hold moisture;</li> <li>• Antibacterial;</li> <li>• Natural aspects</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• Acquire character through years;</li> <li>• Different thicknesses;</li> <li>• Various choice of colours, patterns, touches, textures and finishing aspects</li> </ul>
<b>INSTALLATION</b>	Easy to install. Similar to carpet. Can be glued
<b>MAINTENANCE</b>	Easy to clean. Vacuum regularly.







## FLEXIBLE FLOORINGS: PVC, vinyl, linoleum

<b>COMPOSITION</b>	PVC/vinyl Linoleum: natural resin (pine, cork, flax oil...) The composition depends on the flooring type
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Aesthetics alternative to more traditional floors;</li> <li>• Affordable;</li> <li>• Resistant;</li> <li>• Smooth and waterproof surface</li> </ul>
<b>DESIGN</b>	<ul style="list-style-type: none"> <li>• A large choice of colours, textures, sizes, effects, design...</li> <li>• Imitation of other materials</li> </ul>
<b>INSTALLATION</b>	<ul style="list-style-type: none"> <li>• Really easy to install</li> <li>• The products are flexible and stored rolled</li> <li>• Glue-down</li> </ul>



## Wall decoration

Before applying any type of wall finishing, it is important to carefully prepare the walls. Any defects should be fixed in advance. The walls have to be cleaned to avoid the deterioration of the final visual by any dust or other elements.

In a prefabricated house as well as in a log house, you can select any types of wall finishing to decorate the rooms. Many options are available and depend on the desired aspect and style.

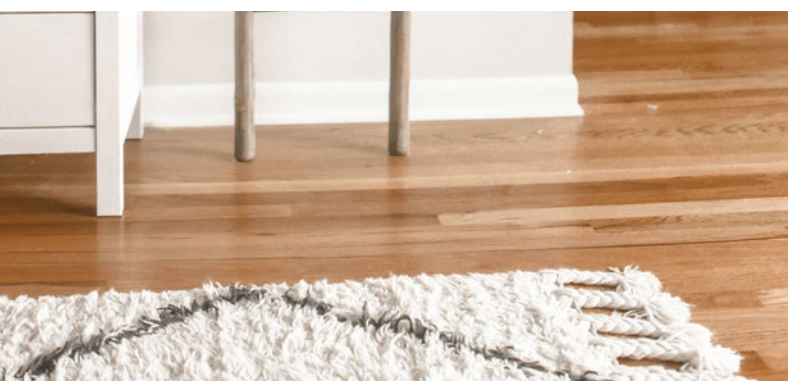
## IDEAS & INSPIRATIONS



MIX THE MATERIALS

MIX THE COLOURS

MIX THE PATTERNS



## WALL FINISHING OPTIONS



### PAINT

Paint is one of the most common interior finishing. However, it is important to make sure that the walls are in good conditions, clean and dry before applying the paint. The preparation before painting will determine as well the final look of the walls.

Matt, glossy, waterproof, water-based, satin, with relief, customised - nowadays, a large variety of paint is available for all types of finishing, rooms, and uses. Paint offers a lot of possibilities and can be used in every room of the house.

It is also easy to associate the colours, create patterns or play with the visual (paint one wall with two different colours at the bottom and the top). In the kids' room, funny drawings can be painted on the wall with stencils. It is easy to get creative with paint.



### WALLPAPER

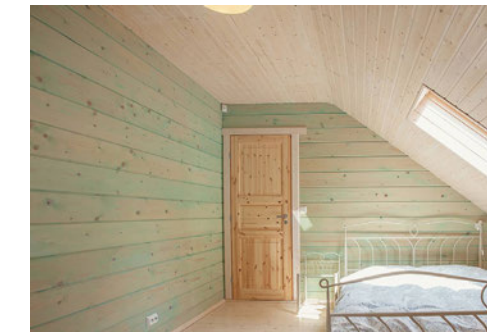
The wallpaper is highly appreciated as a wall coating. Indeed, it is easy to apply, to remove and affordable. Wallpaper covers the small defects of the walls, which could be seen with paint. No need to wait after the wallpaper application, the room can be furnished.

Once again, there is no design limit with wallpaper as the choice of image and finish is wide. Monochrome, with geometric drawings, landscapes, with texture or even personalised, everyone can find one to match their taste.

The application on the wall may be more delicate if the wallpaper is made with a pattern or forms. Be sure that the lines and images are matching to prevent from a wobbly visual.

The features of wallpaper (thickness, water-sensibility, ease of cleaning...) can vary from one wallpaper to another. Even though wallpaper is commonly used in certain house rooms such as the bedrooms, the corridors or the living room, it is also possible to find wallpaper suitable for bathroom.

To create relief and interesting design, you can choose to apply wallpaper on one wall of a room and use paint on the others.



### WOOD PANNELLING

Wood panelling offers the charm and natural of the wood. The room with walls covered with wood panelling is comfortable and warm. Moreover, the wood is a natural, ecological and renewable material.

The wood can be coated with the traditional wood products: paint, oil, stain, lacquer and is durable.

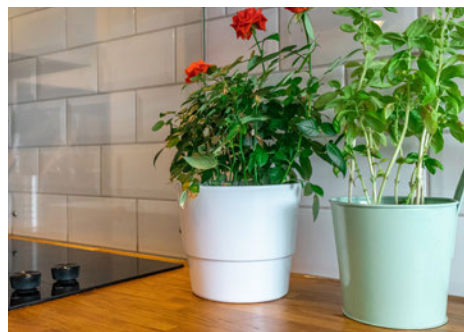
Different sizes of wood panels are available to match room measurements and create a nice atmosphere.

The wood panelling can be installed on all the walls, one wall only, half of the wall, etc, and is easily associated with other wall finishing (paint, stone, wallpaper...)

Interesting visuals can be created by placing the panels horizontally, vertically or even by creating patterns.







## STONES, BRICKS AND TILES

The stones, bricks and tiles are resistant materials and particularly appreciated in the interior.

The stones and tiles are perfectly matching moisture room needs such as kitchen and bathroom. They are easy to clean and bring a lot of character to a design.

The textures, colours and materials can give a unique touch of style, from the smooth anthracite piece of stone to the small and colourful design of a tile or mosaic.

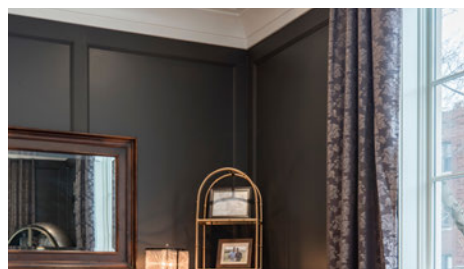
The bricks are ideal for bringing charm in a living room, around a fireplace for instance, and can be associated with any other type of materials. Moreover, they can be painted in different colours.



## WALL DECORATION

For a classic look, it is possible to play with relief, shapes and geometric patterns by nailing on the wall wooden batten. The battens can be painted with the same colour than the one used on the walls and become discreet and refine or highlighted with a different nuance.

This style can be created on half of a wall or the complete wall and regularly repeated.



## IMITATION MATERIALS

The imitation materials are often less expensive than stones and tiles, yet bring similar visual and charm.

The imitation materials are usually sold as panels of different sizes which can be nested to one another.

The maintenance of this type of materials is easier than for the one they imitate.

Another feature of this type of material is the weight: in opposition to heavy wood or stone, the imitation panels are lighter and easier to carry.

When it comes to design, the choice is limitless.



## ADHESIVE PANELS

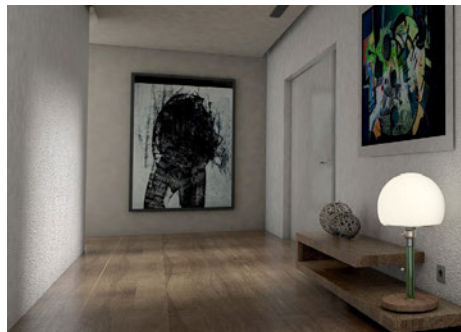
The adhesive panels are perfect for creating a different, glamorous and original design in an interior. They bring perspective to the walls and are visually interesting.

The panels can be made with different materials and are easy to apply as they are adhesive.

Depending on their features, they can be placed in the different rooms of the house including the bathroom and the kitchen.

This solution is time-saving, affordable and stylish.

For a creative look, use several panels to cover partially the wall or to create a wall separation.



## RENDER

Render is less common in the interior design and often used on exterior walls. However, it shows numerous advantages and is as efficient as other materials.

The render is known to be resistant, easy to apply, to clean and with good insulation level.

The render can be found in various colours and it is possible to play with its aspect (smooth, relief...) to create an interesting style and look.

About prices, the render considered affordable.

## FABRIC AND HESSIAN

The walls can be covered with a fabric or hessian. This solution is particularly adapted if the walls have defects.

The fabric and hessian can be painted with the paint and colours of your choice..

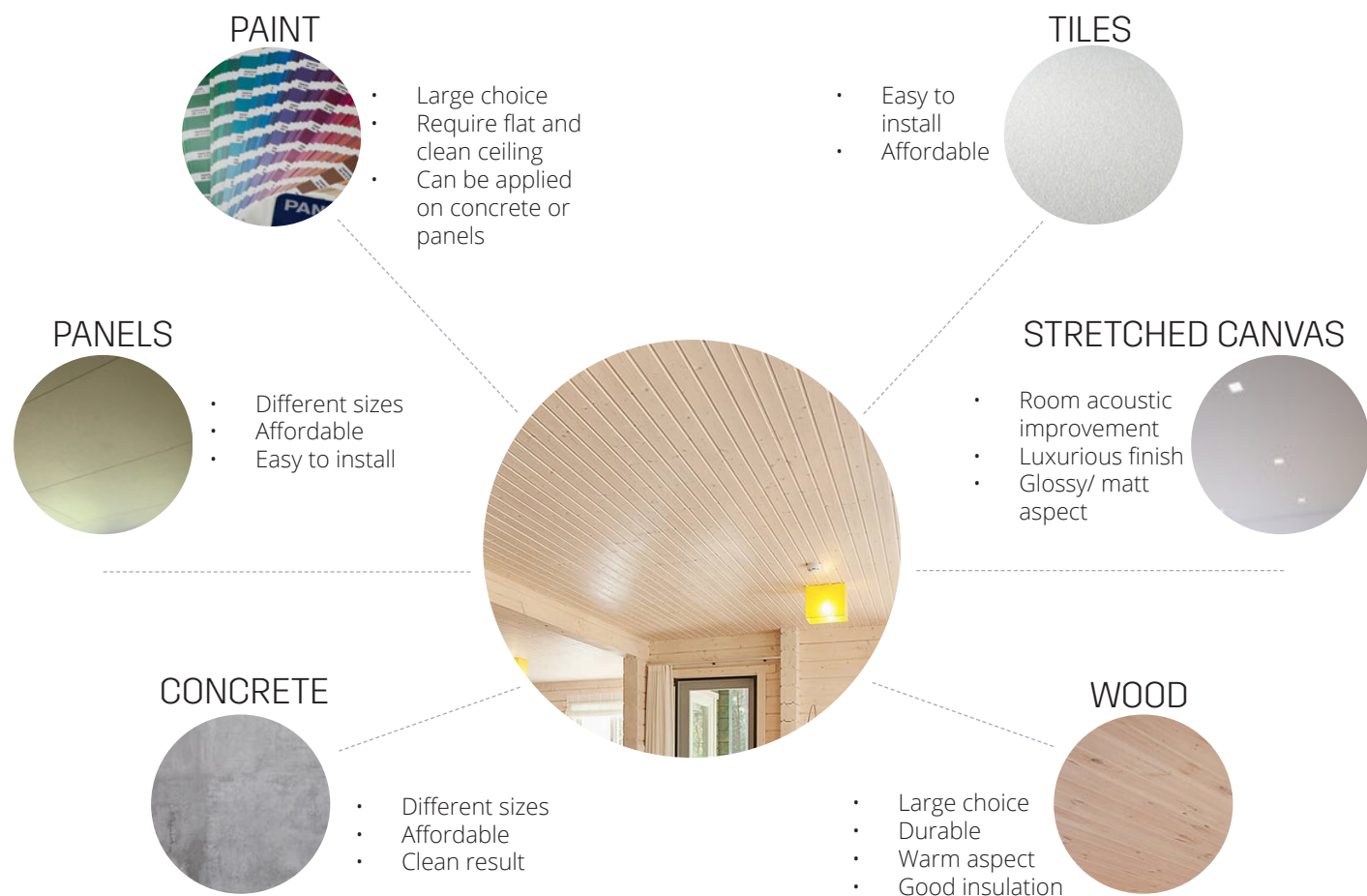
## OTHER FINISHING

Other types and finishing solutions can be used to cover the walls.

If you are not inspired by the more common and traditional wall finishing materials, you can take a look at other finishing such as concrete, primer or create a unique design by integrated unexpected materials such as glass.

## Ceiling finishing

The choice of ceiling finishing is larger than what we usually think. Before selecting a ceiling finishing, it is essential to evaluate the ceiling exposition to moisture, as the ceiling of a bathroom and a living room might not always be the same. The final visual and the cost will also help the decision. Even though the ceiling is not the first thing we are looking at, it plays a role as important as the other room elements when it comes to the final design. If the ceiling is composed of wood beams, it is easy to play with colours and reliefs.

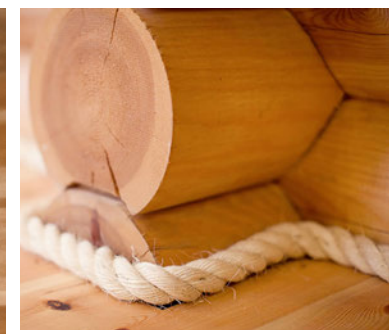
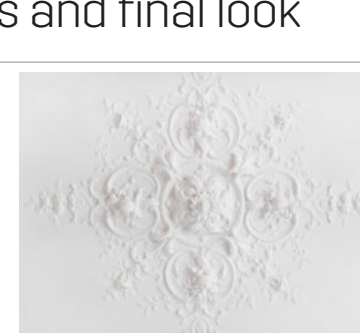


## Finishing accessories and final look

Room design is completed when all the accessories and additional elements are placed and the room is furnished.

To add some character, charm and uniqueness to an interior, you can, for instance, include these decoration elements.

- Integrated light and light spots;
- Baseboard;
- Cornices;
- Moulding...







## INTERIOR CLIAMTE HEATING SYSTEMS & VENTILATION

## The heating and climate solutions

The Palmatin wooden and prefabricated constructions are planned and designed to be optimised and provide high energy-efficiency. When designing a house and before starting its construction, it is always interesting to take a look at house devices, heating systems and ventilation options which will help to preserve this efficiency.

Numerous options for heating devices can be considered. The subflooring heating is a good alternative to more traditional devices like radiators. It provides interesting and competitive features such as harmonious heat, pleasant and comfortable atmosphere, both in winter and summer seasons.

Among the heating systems, heating pumps offer attractive features too. The air-air and air-water systems are particularly easy to install in a house and, apart from being respectful of the environment, allow non-negligible savings in terms of money and energy.

A good indoor climate is essential for enjoying the comfort and atmosphere of a house. As many pollutants can modify the air quality, the ventilation is consequently an appropriate tool to renew the indoor air and preserve a healthy climate.

### Sub-flooring heating

Unlike the traditional radiator hanged on the walls, the subflooring heating is invisible once the flooring has been installed in the house. The subfloor heating system is installed directly on the concrete screed of the house, making it perfect when building new houses or as new heating during a renovation.

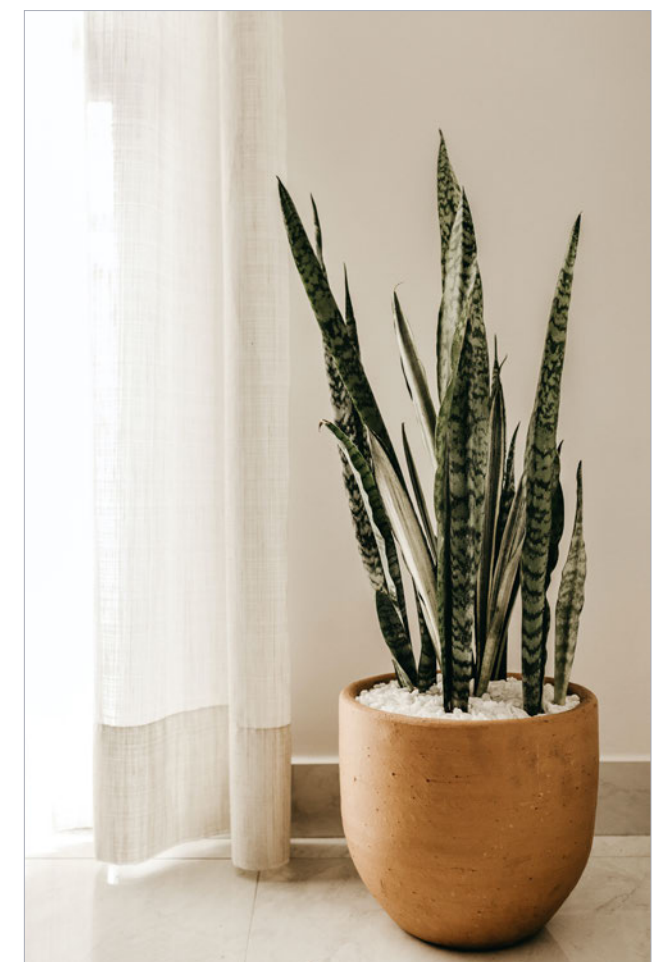
Two types of radiant floor heating are available: electric and water-based system. The electric system is less expensive but also limited. The system is made of electric resistances heating beneath the floor to generate the heat. The water-based system is using hot water, running through pipes.

The heating system is stuck between the insulation and forms a spiral, in order to cover all the floor area. Another screed is poured on the top and covered with the final flooring material. The screed and flooring accumulate the heat and continuously release it in the room thanks to radiation.

Any flooring materials can be used on the top of the subfloor heating system, as far as they are resistant to the heat, this is why, if the final flooring is wood, an adapted type of wood is advised for this use.

The heat produced by the sub-flooring system warms the room from the floor to ceiling with consistent and efficient heat.

The heating system goes along with heat controllers, to vary the temperature and control the functioning. For the maintenance, be sure not to miss the check-up to keep your system efficient and in good conditions. Even if the products are under warranty, damages of the heating system can cause to open the system by breaking the flooring.





## Sub-flooring features

- **ECONOMICAL:** the heating temperature rarely comes above 28°C and the heating system does not go over 40°C. In comparison to traditional radiators which usually reach 65 to 75°C. The saving made with a subfloor heating system is on average 15%.
- **UNIFORMITY:** the subfloor system heats the air and the room uniformly without any cold spots.
- **PLEASANT:** The climate is harmonious in every room as there is no temperature difference between one room and another.
- **GOOD AIR QUALITY:** The air quality is better than when using traditional heaters and radiators since the sub-flooring system keeps the air fresh and does not affect the oxygen rate in the room. Moreover, there is no circulation of dust.
- **QUIET:** The heating system does not produce sounds and provides with a peaceful house.
- **SAFE:** as the heating system is hidden, there is no risk for young children to harm themselves.
- **SPACE SAVING:** the interior design is made easier as all the space is available and no heating devices have to be taken into consideration.
- **COOLING:** possibility to use it to cool the house in summer (the water system can run cold water in the pipes during summer).
- **ENJOYABLE:** perfect for those who love to walk barefoot.

## Air-water and air-air heating systems

The air-water and air-air heating systems are two systems using the natural element energy to heat the house in an efficient and more environment-friendly way than traditional heating systems. These systems are sources of renewable energies and consume less than the amount of energy they produce. Effective systems can produce up to 4 times what they consume. This efficiency is also translating in the cost reduction and savings, for a maximum of 70%.

### Air-water heating system

The air-water system ensures the heat of the central heating system of the house and the production of hot sanitary water by using wind energy. The system can heat a subflooring system, radiators and convectors.

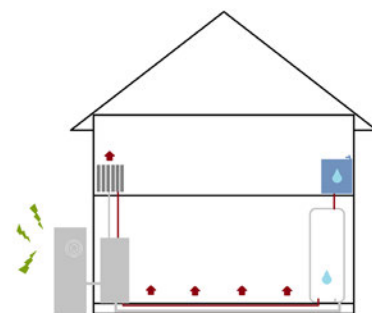
The air-water system does not completely produce heat, but transfer the energy from a cold source to the house and release it in the heating devices and water circuit. The energy of the external air is gathered by a device placed outside the house, a pump, and transmitted to one inside the house, replacing, for instance, the traditional boiler. The interior device is connected to the hot water cylinder/central heating system.

This system is in average 3 to 4 times more efficient than traditional electric heating system and is considered as a good alternative solution to both storage heaters and oil boilers

However, the air-water system is recommended for tempered areas with soft weather in winter. The systems are rated less efficient when the temperature drops under -5°C.

#### Air-water heating system features

- Economical and cost-effective heating system;
- Environmentally friendly;
- Renewable energy source;
- Energy-efficient;
- Easy installation;
- Allow warming the house and heating the water;
- Option to cool the house in summer;
- Less efficient in very cold weather



### Air-air heating system

The air-air heating system does not heat the house and the water like the air-water system but uses the outside air to keep the house warm by releasing warm air in the house.

The air-air system is composed, like the air-water system, of two units. One device is placed outside to use the air calories, which, in contact with refrigerant gas, produce heat. The outdoor device is connected to an indoor device, which circulates the warm air in the house through house heat emitters.

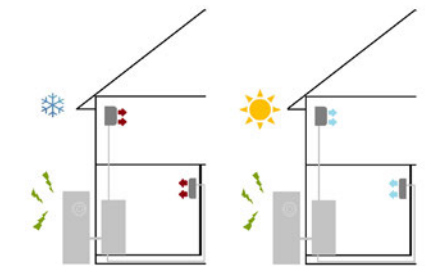
In summer, the pump can be reversed and used to cool the house during hot days. Instead of hot air, cold air will be released in the home.

As for the air-water pumps, the air-air heating system is pretty sensitive to temperature variations and can manifest less efficiency between -10 to -20, depending on the model. For instance, it is possible to complete this system with a fireplace or an auxiliary heating system in the coldest regions.

This heating system can provide up to 60% of the yearly energy consumption.

#### Air-air heating system features

- Economical and cost-effective heating system;
- Environmentally friendly;
- Renewable energy source
- Energy-efficient;
- Easy installation;
- Possibility to cool in summer;
- Affordable system compares to other heating solutions;
- Less efficient in very cold weather;
- Can be completed with another heating system.



## Other heating systems and installations

Other heating system solutions provide the house with heat and warm water. If the air-air and air-water heat pumps are two of them, you can also take a lot at the other pump systems such as the water-water or ground-water heat systems.

- **WATER-WATER SYSTEM:** pipes a placed in the ground and the heat pump recovers heat from underground water. The soil composition influences the installation depth. The water is pumped by an electric motor. This solution is mainly adapted to the countryside because space around the house is required. Thus, the system can be constraining in cities. The investment cost is higher than for other systems but the investment return is excellent.
- **GROUND-WATER SYSTEM:** the heat collectors are buried in the soil (50-60 cm) to collect the natural geothermal heat and heat the water circuit. This solution is adapted to the countryside, as the exterior installation can be twice the house dimensions. The price depends then on different factors.

## Additional information on heating systems

The efficiency of a pump system is calculated via different indicators.

1. **COP, or Coefficient Of Performance:** the efficiency indicator of the heat pump is a ratio between the useful heat transfer for heating or cooling and the required drive energy to transfer it. For instance, a COP of 2 means that the system is producing 2 kWh heat/cold energy for every 1 kWh of electricity consumed. The higher the number is, the most efficient the system is. The COP is normally related to a specific operating condition and varies according to the pump model and installation. For cooling, EER, Energy Efficiency Ratio, is sometimes used instead of COP.
2. **SCOP, or Seasonal Coefficient of Performance:** describes the average COP during a heating season. For cooling, SEER, Seasonal Energy Efficiency Ratio, is normally used.



## THE FACTORS OF EFFICIENCY

The efficiency of the heating system, as well as the expenditures linked to it, will be affected by many factors, which have to be taken into account before purchasing the device.

- **TECHNOLOGY:** the heat pumps are not all manufactured the same way and with the same elements. Motors, compressors, heat exchangers and quality system will play a role in the pump characteristics.
- **SIZE AND DESIGN:** the size of the device is determined by the heating demand. It has to be carefully calculated for the heat pump to be efficient.
- **CONTROL SYSTEM:** the control system will allow regulating the heat demand. The temperature reached in comparison to the temperature requested and the needed time to respond will be determined by the control system, also affecting the entire system efficiency.
- **AUXILIARY EQUIPMENT:** heat pump and the supplementary pieces of equipment have to be selected with the same attention, as they will play a role in its functioning.
- **TEMPERATURE:** the heat source temperatures will affect the COP and the pump capacity.

- **CLIMATE:** heat pump efficiency is also depending on the weather. The pump is less effective in the coldest regions and can require an additional heat method.
- **INSULATION:** if not a direct factor, the insulation of the house will influence the loose of heat in the house and the expenditures linked to the heating system and its functioning.
- **DURATION AND FREQUENCY OF USE:** the more the system will be solicited, the more it will influence the efficiency and wear.
- **HEAT/COOLING NEED:** will influence linked expenditures
- **LOCAL ELECTRICITY PRICES**

## THE HEAT SYSTEM PRICES

The prices vary accordingly to the house features and heat needs, this is why it is difficult to give fixed prices. In many countries, the installation of this type of green systems can be rewarded with financial help from the State and tax reductions.

- The prices can vary due to:
- The size of the house;
- The efficiency of the system;
- The size of the system;
- The components of the system;
- The system technology;
- The heat/cooling consumption/need.

\*The given numbers are an indication, can vary from a region to another and due to a certain number of factors. To obtain a representative price, we advise you to ask for quotation based on the real measurements of your house and the features of your project.

## Comparison table

	SUBFLOOR SYSTEM	AIR-WATER SYSTEM	AIR-AIR SYSTEM
<b>Functioning</b>	Heat a room thanks to heat accumulation and radiation	Use the outside air to heat the house devices and sanitary water	Use the calories of outside air to release heat/cold air through heat emitters. Most of the time, it complement another heating system.
<b>Installation</b>	Placed under the flooring. Two systems: water or electrical	One unit outside and one inside, connected to the central house system. Easy to install. Exterior required	One unit outside and one inside, connected to the central house system. Easy to install. Exterior required
<b>Climate influence</b>	None	Low temperature can affect the system efficiency -5/-10	Low temperature can affect the system efficiency -10 / -20
<b>Indoor climate</b>	The heat is released uniformly and the oxygen rate is not affected by the heating system		
<b>Can heat the sub-flooring installation</b>		Yes (careful study if the system includes radiators)	No
<b>Cooling option</b>	Yes	Yes	Yes
<b>Efficiency</b>	Depending on the selected system (water/electrical).	Average COP: 3 3 to 4 times more efficient than electric heat system	
<b>Saving</b>	Average savings: 15%, depending on the house insulation, heat needs	From 25% up to 70% depending on the house insulation, heat needs	
<b>Price</b>	The average price of the heating subfloor only is estimated between 60 to 150 €/m <sup>2</sup> *	House +/- 100m <sup>2</sup> : From 6000€ - 60€/m <sup>2</sup> to 13000€ - 130€/m <sup>2</sup> *	House +/- 100m <sup>2</sup> : From 5000€ - 50€/m <sup>2</sup> to 10000€*- 100€/m <sup>2</sup>
<b>Cost comparison*</b>	+++	++	+
<b>Maintenance</b>	Recommended each 3 years	Each year	Each year

## Ventilation systems

### A VENTILATION SYSTEM, WHAT FOR ?

As we are spending more than half of our time indoors, it is important to manage healthy and clean air. Daily, many pollution sources are surrounding us. Combustion sources, wet carpets, products for house cleaning, everyday life activity, humidification systems or even outdoor sources such as air pollution or pesticides, constantly releases gases and particles affecting the air that we breathe, its quality and increasing the air problems in houses.

Therefore, the interior air needs to be renewed, has to circulate and be cleaned from these invisible assailants. An efficient, well thought and cautiously installed ventilation system provides healthy and comfortable microclimate and avoids excessive moisture.

### WHICH VENTILATION SYSTEM TO CHOOSE ?

Progress and innovation have occurred in this sector, providing the market with smart and efficient systems. When it comes to the energy-efficient house, the heat-recovery ventilation system is recommended. These systems do not only allow air exchanges between the interior and exterior, but also recover the heat that more traditional equipment might have lost.

Three different technologies can be used in heat recovery ventilation systems.

- **Plate heat exchangers:** ideal when the temperatures drop to -5°C. Under this temperature, antifreeze protection is required. This technology is however highly efficient.
- **Rotary heat exchangers:** do not recover all the

heat. An additional system is required. However, the system is more resistant to low temperatures. Also, moisture can be exchanged between extracted air and injected air

- **Enthalpy heat exchangers:** high efficiency to recover the heat, the system also deals better with moisture and is resistant to cold winters.

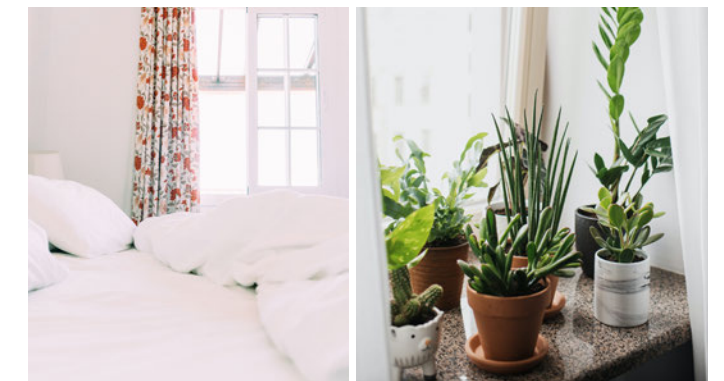
### HOW A HEAT RECOVERY VENTILATION SYSTEM WORKS ?

The heat recovering ventilation system is composed of:

- A central system extracting the staled air from moisture room and providing new air for the other areas of the house
- Duct net where the air circulates
- Filters ensuring the protection of the exchanger and the cleanliness of the incoming air

The system is balanced when it provides as much air as it extracts. The system crosses the warm and humid air with the injected cold air without mixing the flows.

If the system requires careful attention during the installation and maintenance, its efficiency is proven



### ZEHNDER VENTILATION SYSTEMS

Due to experience and innovation, Zehnder develops renowned and design products improving air quality.

The Zehnder ventilation systems are energy-efficient, with a high heat recovery rate and show competitive operational conditions, making them reliable.

The range includes equipment for all the rooms, even individually. The ducts where the air is circulating can be made from different materials. The plastic ones offer the best result in terms of cleanliness and maintenance ease.

Noise reduction is including in every ventilation system, but additional sound attenuator can be added in the exchanger boxes if needed.







## | FIREPLACES AND CHIMNEYS

## When winter arrives...

... comes with it the need to warm up the house during cold evenings and nights. Nothing can compare to the heat, the warmth and the cosiness of a beautiful fireplace. Besides efficiently heating a room, a fireplace is perfect to create a delicate and comfortable atmosphere. Nowadays, technology has evolved to provide our houses with astonishing and smart models. The fireplace is significant in the interior and the design of our residences, being sometimes the centre masterpiece of a living room, a charming asset in a bedroom or a traditional companion in the kitchen.

It is possible to install a fireplace in almost all the Palmatin house models, log or prefabricated ones. If you decide to finish your interior decoration and comfort with a warm hearth, Palmatin teams will be happy to help you select the best option for your house. As we are concerned about the environment and put forward our values such as respect and protection of nature, we propose you a fireplace range including natural material, efficiency, renewable combustibles and safety systems and solutions for you and your family.

## About our partner

Palmatin works in collaboration with a Finnish fireplace producer to provide you with the best quality and unique products. Tullikivi manufactures fireplaces since 1979, is specialised in soapstone materials and focus on reducing its impact on the environment, providing innovative products and quality experience. The large product range includes not only diversified fireplaces but also fireplace-oven options and baking ovens, interesting control systems and innovative heat use and integrated wood storage solutions.

## Fireplace design

Tullikivi range includes many different models which will correspond to everyone's taste. The full range is composed with more than 100 models. The main components of the fireplaces, ceramic and soapstone, are easy to associate with interior design. The different finishing can bring a plus to the decoration by adding a touch a uniqueness. From traditional looking and massive fireplaces to design ceramic ones, everyone can find in the range what they are looking for and benefit with the great features of each model.





## Materials, combustibles and fireplaces



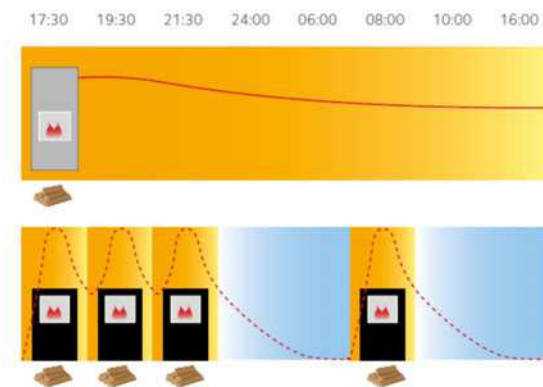
Wood is a renewable resource. Used for decades in houses to produce heat, it is one of the most common combustibles used for fireplaces. As the wood releases the same quantity of CO<sub>2</sub> when burned as it will naturally do when living in nature, it is considered as carbon neutral. When burning wood, the Tullikivi fireplaces are almost leaving no dust and more than 80% of the wood is consumed, making the fireplace efficient. Only a small amount of wood is required to warm the room. The emissions amount are proved to be under the world's strictest allowances, ensuring security for all the family. Moreover, the radiant heat provides only fresh and comfortable warmth, making the air pleasant and breathable.

When using wood as a combustible, be careful that the wood is correctly stored and dry enough. As an alternative, you can also decide to use wood pellets, as it is possible to warm the fireplaces up with both. The wood pellets are recycled, highly efficient and affordable.

Soapstone and ceramic are two wise choices when it comes to fireplaces. Soapstone is a natural, volcanic, and dense stone which possesses the capacity to store heat and to release it continuously during many hours, making the fireplaces efficient even after burning wood. The heat is released through soft thermic radiations, providing with a nice and warm atmosphere without dry the air. The stone can be treated in different ways but is always insuring good quality and safety.

The ceramic is as well a material benefiting from great thermic resistance and with an efficient thermic conductivity. As the soapstone, ceramic fireplaces release the heat in the air on a long term and by radiation.

The fireplaces are a great solution as a separate heating system, independent from electricity and fossil energy source. Moreover, this solution, as a low consumption system, will considerably reduce energy utilisation from other devices, reduce bills amount and provide the house with a lovely plus and ambience.



HEATING EFFICIENCY OF THE FIREPLACES COMPARE TO TRADITIONAL FIREPLACES



## Heating solution and technology



COUNTER CURRENT METHOD

### HEATING TECHNOLOGY

The fireplaces use a counter current method, meaning that the flames climb safely in the chimney whereas the heat is slowly stored in the soapstone/ceramic before being slowly diffused in the room.

### WATER HEATING SOLUTION

The heat produced by the fireplaces can easily be used as a source of energy for other systems in the house: for example, to produce hot water. Without affecting the normal use of the fireplace, the heat produced can be stored separately and circulate in water in safe use, without reaching dangerous temperatures.

### FIREPLACE CONTROLLER

If desired, you can choose to use a fireplace controller. The fireplace controller is integrated into the fireplace and operated through a smartphone application, helping you manage the heat, telling when to add wood or not, controlling the air or even managing the temperature.





14 fireplace models are available in the Karelia range, adopting modern or traditional design and giving pride of place to the Finish soapstone. Smooth, grooved, chiselled, or rugged, the soapstone makes the fireplaces looking nice and powerful, in complement to its technical features. The fireplace glass doors are large, pleasant and ideal for cooking grilled food directly into the hearth.

## SARAMO MODEL

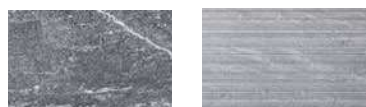


Surface options



Classic

Grafia



Nobile

Rigata

WIDTH	1250 mm
DEPTH	550 mm
HEIGHT OPTIONS	1500 - 1800 - 2100 mm
WEIGHT	1730 kg
FURNANCE WIDTH	620 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A / A+
EFFICIENCY	80 %
HEATING AREA	60 - 80 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	7.6 h
COMBUSTIBLE	wood - pellets

## SALVO MODEL

WIDTH	1100 mm
DEPTH	550 mm
HEIGHT OPTIONS	1545 - 1845 - 2145 mm
WEIGHT	1500kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	80 %
HEATING AREA	50 - 70 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.1 h
COMBUSTIBLE	wood - pellets

Surface options



Classic

Grafia



Nobile



## SARAMO S MODEL

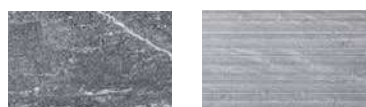


Surface options



Classic

Grafia



Nobile

Rigata

WIDTH	950 mm
DEPTH	550 mm
HEIGHT OPTIONS	1800 - 2100 mm
WEIGHT	10 kg
FURNANCE WIDTH	620 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A / A+
EFFICIENCY	80 %
HEATING AREA	60 - 80 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.6 h
COMBUSTIBLE	wood - pellets

## SALVO S MODEL

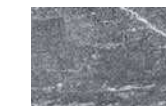
WIDTH	780 mm
DEPTH	550 mm
HEIGHT OPTIONS	1845 - 2145 mm
WEIGHT	1320 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	343 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	85 %
HEATING AREA	40 - 60 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.7 h
COMBUSTIBLE	wood - pellets

Surface options



Classic

Grafia



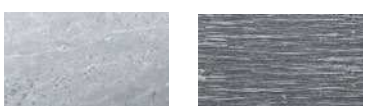
Nobile



## LAIVO S MODEL

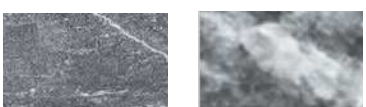


Surface options



Classic

Grafia



Nobile

Natural

WIDTH	920 mm
DEPTH	630 mm
HEIGHT OPTIONS	1890 - 2190 mm
WEIGHT	1440 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	85 %
HEATING AREA	40 - 60 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.7 h
COMBUSTIBLE	wood - pellets

## AKKO MODEL

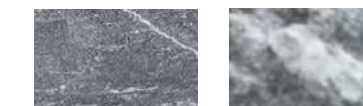
WIDTH	1100 mm
DEPTH	550 mm
HEIGHT OPTIONS	1635 - 1935 - 2235 mm
WEIGHT	1660 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	84 %
HEATING AREA	50 - 70 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.1 h
COMBUSTIBLE	wood - pellets

Surface options



Classic

Grafia



Nobile

Natural





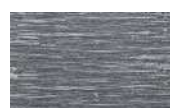
## LAMPO MODEL



Surface options



Classic



Grafia



Nobile

WIDTH	950 mm
DEPTH	550 mm
HEIGHT OPTIONS	1545 - 1845 - 2145 mm
WEIGHT	1360 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	84 %
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6 h
COMBUSTIBLE	wood - pellets

## KELVA S MODEL

WIDTH	690 mm
DEPTH	550 mm
HEIGHT OPTIONS	1890 - 2190 mm
WEIGHT	1210 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	343 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	83 %
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	5.6 h
COMBUSTIBLE	wood - pellets

Surface options



Classic



Grafia



Nobile



Natural



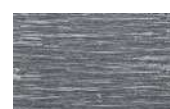
## LAMPO S MODEL



Surface options



Classic



Grafia



Nobile

WIDTH	630 mm
DEPTH	550 mm
HEIGHT OPTIONS	1845 - 2145 mm
WEIGHT	1100 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	83 %
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	5.6 h
COMBUSTIBLE	wood - pellets

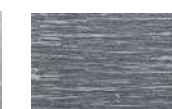
## KOLI MODEL

WIDTH	950 mm
DEPTH	550 mm
HEIGHT OPTIONS	1500 - 1800 - 2100 mm
WEIGHT	1340 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	84%
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6 h
COMBUSTIBLE	wood - pellets

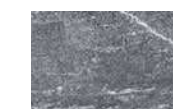
Surface options



Classic



Grafia



Nobile



Rigata



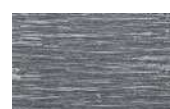
## OTRA MODEL



Surface options



Classic



Grafia



Nobile



Natural

WIDTH	1100 mm
DEPTH	610 mm
HEIGHT OPTIONS	1635 - 1935 - 2235 mm
WEIGHT	1500 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	84%
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6 h
COMBUSTIBLE	wood - pellets

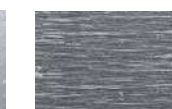
## KOLI S MODEL

WIDTH	650 mm
DEPTH	550 mm
HEIGHT OPTIONS	1800 - 2100 mm
WEIGHT	1110 kg
FURNANCE WIDTH	320 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	83 %
HEATING AREA	30 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	5.6 h
COMBUSTIBLE	wood - pellets

Surface options



Classic



Grafia



Nobile



Rigata





RAITA MODEL



Surface options



WIDTH	1100 mm
DEPTH	550 mm
HEIGHT OPTIONS	1500 - 1800 - 2100 mm
WEIGHT	1500 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	84 %
HEATING AREA	50 - 70 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.1 h
COMBUSTIBLE	wood - pellets

In complement to the Karelia range, other models of massive soapstone are available. Different solutions exist if you are searching for a fireplace to position against a straight wall, to place in a corner, or to use as a separation between two spaces. The massive soapstone fireplaces provide comfortable, constant and lasting heat from a small quantity of wood.

HARMAJA

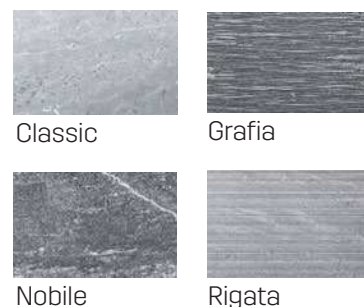
WIDTH	780 mm
DEPTH	570 mm
HEIGHT	1260 mm
WEIGHT	930 kg
FURNANCE WIDTH	290 mm
FURNANCE DEPTH	365 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	72%
HEATING AREA	20 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.9 h



RAITA S MODEL



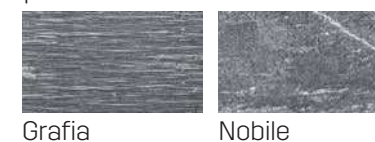
Surface options



WIDTH	800 mm
DEPTH	550 mm
HEIGHT OPTIONS	1800 - 2100 mm
WEIGHT	1330 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	345 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	85 %
HEATING AREA	40 - 60 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	6.7 h
COMBUSTIBLE	wood - pellets

TU 2200 / 50

Additional surface options

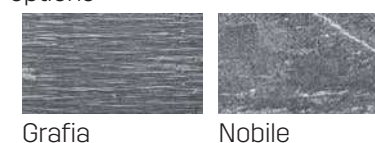


WIDTH	1020 mm
DEPTH	600 mm
HEIGHT	1530 mm
WEIGHT	1730 kg
FURNANCE WIDTH	400 mm
FURNANCE DEPTH	365 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	87%
HEATING AREA	40 - 100 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	4.4 h



TU 1000 / 50

Additional surface options



WIDTH	840 mm
DEPTH	480 mm
HEIGHT	1230 mm
WEIGHT	945 kg
FURNANCE WIDTH	310 mm
FURNANCE DEPTH	245 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	88 %
HEATING AREA	30 - 70 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	1.9 h



KOLI S MODEL



SARAMO MODEL

TU 2200 / 92

WIDTH	1020 mm
DEPTH	600 mm
HEIGHT OPTIONS	1530 mm
WEIGHT	1730 kg
FURNANCE WIDTH	400 mm
FURNANCE DEPTH	365 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	87%
HEATING AREA	40 - 100 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	4.4 h





## Corner fireplaces

TU 1450 / 1

WIDTH	900 mm
DEPTH	480 mm
HEIGHT OPTIONS	1590 mm
WEIGHT	1340 kg
FURNANCE WIDTH	310 mm
FURNANCE DEPTH	245 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	87%
HEATING AREA	30 - 90 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.4 h



KTU 2253

WIDTH	1445 mm
DEPTH	1109 mm
HEIGHT	1710 mm
WEIGHT	2080 kg
FURNANCE WIDTH	400 mm
FURNANCE DEPTH	360 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	81%
HEATING AREA	40 - 100 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	4.9 h



TU 1030 / 5D

WIDTH	720 mm
DEPTH	560 mm
HEIGHT	1290 mm
WEIGHT	940 kg
FURNANCE WIDTH	330 mm
FURNANCE DEPTH	310 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	80%
HEATING AREA	20 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.3 h



KTU 1337 / 91

WIDTH	1020 mm
DEPTH	838 mm
HEIGHT	1650 mm
WEIGHT	1560 kg
FURNANCE WIDTH	360 mm
FURNANCE DEPTH	310 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	91 %
HEATING AREA	40 - 90 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	2.7 h



TU 1237 / 91

WIDTH	900 mm
DEPTH	585 mm
HEIGHT	1650 mm
WEIGHT	1450 kg
FURNANCE WIDTH	360 mm
FURNANCE DEPTH	310 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	80%
HEATING AREA	40 - 90 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.9 h



KTU 1410 / 1

WIDTH	1036 mm
DEPTH	739 mm
HEIGHT OPTIONS	1650 mm
WEIGHT	1450 kg
FURNANCE WIDTH	310 mm
FURNANCE DEPTH	245 mm
MATERIAL	Soapstone
ENERGY CLASS	A+
EFFICIENCY	81%
HEATING AREA	40 - 80 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.3h



TU 1237 / 51

WIDTH	900 mm
DEPTH	585 mm
HEIGHT	1650 mm
WEIGHT	1450 kg
FURNANCE WIDTH	360 mm
FURNANCE DEPTH	310 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	80%
HEATING AREA	40 - 90 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	3.9 h



KTU 1130 / 3D

WIDTH	943 mm
DEPTH	783 mm
HEIGHT OPTIONS	1290 mm
WEIGHT	1040 kg
FURNANCE WIDTH	330 mm
FURNANCE DEPTH	310 mm
MATERIAL	Soapstone
ENERGY CLASS	A
EFFICIENCY	80%
HEATING AREA	20 - 50 m <sup>2</sup>
HEAT TRANSFER TIME MAX POWER	1.8 h





## Ceramic fireplaces

The ceramic fireplaces are perfect for warming a room and cooking. The ceramic material does not require particular maintenance and is available in various finishing matching your interior ideal. The ceramic keeps the heat and can keep warming a room even when all the wood has been consumed.

### VAALA



#### Size options

HEIGHT mm	WEIGHT kg	HEAT m <sup>2</sup>
1500	833 - 890	20 - 50
1800	1008 - 1080	30 - 70
2100	1158 - 1246	40 - 80

WIDTH	800 mm
DEPTH	600 mm
FIREPLACE WIDTH	300 mm
SOCKET DEPTH	350 mm
MATERIAL	Ceramic
ENERGY CLASS	A
EFFICIENCY	77 %
HEAT TRANSFER TIME MAX POWER	4.6 h

### LUMME



#### Size options

HEIGHT mm	WEIGHT kg	HEAT m <sup>2</sup>
1800	1700	50 - 90
2100	1900	50 - 90
2400	2050	50 - 100

WIDTH	1000 mm
DEPTH	800 mm
FIREPLACE WIDTH	410 mm
SOCKET DEPTH	540 mm
MATERIAL	Ceramic
ENERGY CLASS	A
EFFICIENCY	82 %
HEAT TRANSFER TIME MAX POWER	6.7 h

### KALLA



#### Size options

HEIGHT mm	WEIGHT kg	HEAT m <sup>2</sup>
1500	971 - 1024	30 - 60
1800	1178 - 1248	30 - 70
2100	1353 - 1435	40 - 60

WIDTH	1000 mm
DEPTH	600 mm
FIREPLACE WIDTH	440 mm
SOCKET DEPTH	350 mm
MATERIAL	Ceramic
ENERGY CLASS	A
EFFICIENCY	75 %
HEAT TRANSFER TIME MAX POWER	4.3 h

## Corner fireplace

### NUUTA



#### Size options

HEIGHT mm	WEIGHT kg	HEAT m <sup>2</sup>
1500	880 - 1000	20 - 50
1800	1065 - 1185	30 - 70
2100	1225 - 1350	40 - 80

WIDTH	800 mm
DEPTH	450 / 805 mm
FIREPLACE WIDTH	300 mm
SOCKET DEPTH	350 mm
MATERIAL	Ceramic
ENERGY CLASS	A
EFFICIENCY	77 %
HEAT TRANSFER TIME MAX POWER	4.6 h



VAALA MODEL



LUMME MODEL



# Ceramic fireplace finishing options

The finishing options are available for all the ceramic fireplace models. Four different finishing design can be selected - Plastered surfaces, partly tiled finishing, full with tiled design and jointless slab surfaces - for which various colours and reliefs can be applied.

## PLASTERED SURFACE



Available colours for plastered surfaces



## JOINTLESS SURFACES



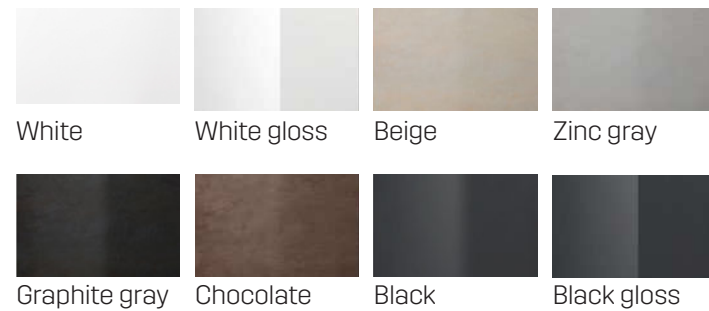
## PARTLY TILED



## FULL WITH TILES



Available colours for jointless surfaces, partly tiled and full with tile surfaces





## Convection fireplaces

If you are looking for fireplaces that are heating the room as quickly as a fire has been started, take a look at the convection heaters. They present good properties in term of warming and retaining heat. The range is made with a large choice of different models, materials and finishing.

### HENKA



Surface options



Classic



Grafia



Nobile



White

WIDTH	790 mm
DEPTH	470 mm
HEIGHT OPTIONS	1390 - 1840 mm
WEIGHT	520 kg
FURNANCE WIDTH	506 mm
FURNANCE DEPTH	210 mm
ENERGY CLASS	A+
EFFICIENCY	81 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	1.4 kg

### PALAS



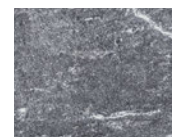
Surface options



Classic



Grafia



Nobile



White

WIDTH	670 mm
DEPTH	565 mm
HEIGHT	1840 mm
WEIGHT	640 kg
FURNANCE WIDTH	330 mm
FURNANCE DEPTH	240 mm
ENERGY CLASS	A+
EFFICIENCY	82 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	1.6 kg

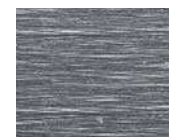
### JOKKA



Surface options



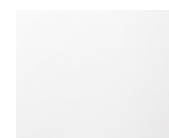
Classic



Grafia



Nobile



White

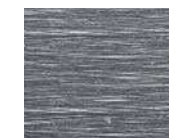
WIDTH	740 mm
DEPTH	470 mm
HEIGHT OPTIONS	1390 - 1840 mm
WEIGHT	480 kg
FURNANCE WIDTH	470 mm
FURNANCE DEPTH	210 mm
ENERGY CLASS	A+
EFFICIENCY	81 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	1.63 kg

WIDTH	760 mm
DEPTH	1100 mm
HEIGHT OPTIONS	1470 - 1770 mm
WEIGHT	1010 kg
FURNANCE WIDTH	290 mm
FURNANCE DEPTH	580 mm
ENERGY CLASS	A+
EFFICIENCY	82,7 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	2.8 kg

Surface options



Classic



Grafia



Nobile



White



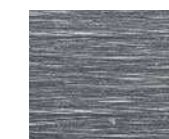
### JUVA

WIDTH	620 mm
DEPTH	530 mm
HEIGHT OPTIONS	1450 - 1900 mm
WEIGHT	490 kg
FURNANCE WIDTH	336 mm
FURNANCE DEPTH	280 mm
ENERGY CLASS	A+
EFFICIENCY	81 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	1.4 kg

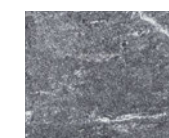
Surface options



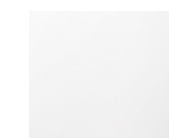
Classic



Grafia



Nobile



White



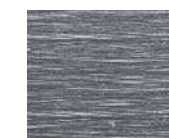
### KAMMI

WIDTH	550 mm
DEPTH	550 mm
HEIGHT	1800 mm
WEIGHT	540 kg
FURNANCE WIDTH	256 mm
FURNANCE DEPTH	256 mm
ENERGY CLASS	A+
EFFICIENCY	81,4 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	1.6 kg

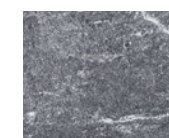
Surface options



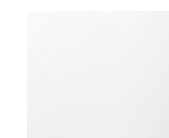
Classic



Grafia



Nobile



White



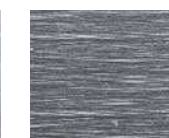
### KELO

WIDTH	820 mm
DEPTH	565 mm
HEIGHT	1840 mm
WEIGHT	720 kg
FURNANCE WIDTH	460 mm
FURNANCE DEPTH	240 mm
ENERGY CLASS	A+
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	2.2 kg

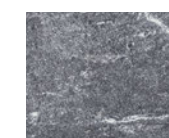
Surface options



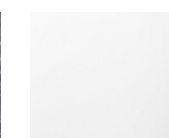
Classic



Grafia



Nobile



White



### LAKO



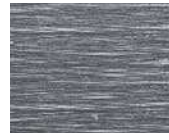
## LAMU



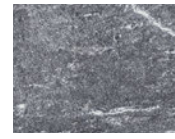
### Surface options



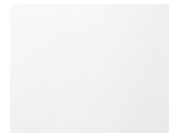
Classic



Grafia



Nobile



White

WIDTH	900 mm
DEPTH	565 mm
HEIGHT OPTIONS	1450 - 1900 mm
WEIGHT	620 kg
FURNANCE WIDTH	616 mm
FURNANCE DEPTH	347 mm
ENERGY CLASS	A+
EFFICIENCY	81 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	2.2 kg

WIDTH	560 mm
DEPTH	560 mm
HEIGHT OPTIONS	1515 - 1665 - 1815 mm
WEIGHT	460 kg
FURNANCE WIDTH	337 mm
FURNANCE DEPTH	182 mm
ENERGY CLASS	A+
EFFICIENCY	81 %
HEATING AREA	40 - 120 m <sup>2</sup>
WOOD CONSUMPTION / h	2 kg

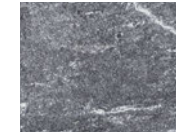
### Surface options



Classic



White



Nobile

## KAIRA



## PILTA



WIDTH	397 mm
DEPTH	397 mm
HEIGHT	1510 mm
WEIGHT	184 kg
FURNANCE WIDTH	266 mm
FURNANCE DEPTH	266 mm
EFFICIENCY	82 %
HEATING AREA	40 - 100 m <sup>2</sup>
WOOD CONSUMPTION / h	1.4 kg

Surface option



## AAPA



WIDTH	924 mm
DEPTH	577 mm
HEIGHT	1638 mm
WEIGHT	280 kg
FURNANCE WIDTH	210 mm
FURNANCE DEPTH	565 mm
EFFICIENCY	83 %
HEATING AREA	40 - 100 m <sup>2</sup>
WOOD CONSUMPTION / h	2.2 kg

Surface option



## JASA



WIDTH	664 mm
DEPTH	455 mm
HEIGHT	1452 mm
WEIGHT	255 kg
FURNANCE WIDTH	340 mm
FURNANCE DEPTH	216 mm
EFFICIENCY	80 %
HEATING AREA	40 - 100 m <sup>2</sup>
WOOD CONSUMPTION / h	1.8 kg

Surface option



## HILPU



WIDTH	528 mm
DEPTH	398 mm
HEIGHT	975 mm
WEIGHT	128 kg
FURNANCE WIDTH	290 mm
FURNANCE DEPTH	344 mm
EFFICIENCY	80 %
HEATING AREA	40 - 100 m <sup>2</sup>
WOOD CONSUMPTION / h	1.73 kg

Surface option







The smell of bread or pastries baking in the oven is one of the most pleasant which can perfume your kitchen and your house. Cooking with kids and family during weekends or holidays is a nice and ludic activity.

In addition to the more traditional fireplaces, you can select among a nice range of ceramic and soapstone fireplace ovens and baking oven models, perfect for stewing tasty dishes.

This type of ovens and fireplaces will make you creative and boost your cooking skills. The baking oven adopting rustic appearance is perfect for everyday cooking and will provide food with a unique smell and flavour of wood. The cooking is more gentle than conventional oven devices, the heat is soft and does not dry the food.

The soapstone and ceramic fireplace ovens are ideal for warming up the house and create a nice ambience, but one of their main assets is to provide you with a loyal help in the kitchen. The food is slowly baking without risk of overheat providing thus tasty and juicy dishes. This type of oven is fantastic for baking pizzas, pieces of bread and pastries. As the soapstone store the heat, it is even possible to bake a meal all day or night long.

Traditional or modern, on a wall or in a corner, you can decide to organise the space as you desire and pick the best finishing which will perfectly integrate your kitchen or living room style in your permanent house as well as in a secondary residence.

These eating solutions are perfect during cold days, to bring the warm atmosphere and the cosiness that a warm crackling fire can offer, and all year long for preparing delicious courses.



## Soapstone fireplace ovens

Traditional design  
Strong appearances  
Ideal for long baking

Range: 15 soapstone fireplace ovens models





# Ceramic fireplace ovens

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Modern design  
Refined lines  
Ideal for long baking

Range: 3 soapstone fireplace oven models



# Baking ovens and stoves

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Traditional design  
Powerful appearances  
Ideal for long baking

Range : 15 baking oven and stove models







## Pick a kitchen with Palmatin

GET YOUR WOODEN HOME THE KITCHEN IT DESERVES!

As we know the importance of the exterior appearances of a house, we are also aware that the interior design should match a certain level of quality and should fulfil your expectations the same way the house does. This is why we are closely working with our partners and managing fruitful and successful collaboration to provide you with the best products, quality, and beautiful design.

The kitchen is a masterpiece in a home and enhances the atmosphere of the room. In parallel with its functionality, the kitchen has to be welcoming and inviting and its design plays a drastic role in it.

We guide and advise you during the design process of your kitchen, to make sure that the result will correspond your wishes and look harmonious in your wooden or prefabricated house.

You can take a look at the different products available in the kitchen range, pick up advice and gather ideas for your future kitchen space.

You will be able to select among a large selection of cabinet and cupboard shapes, materials and colours, take a look at the handle and knob design and their influence when it comes to a kitchen style and the features of the different working surfaces.

Creating a kitchen on measurement is the best way to optimise space and comply with your choices and ideas.



## KITCHENS AND ACCESSORIES



### About our partner

When choosing a partner, Palmatin does not only take a look at the products but make sure that our collaborator shares important values that we put forward such as client-orientation, quality of services and respect of the environment.

Our kitchen partner is a Finish expert in kitchen manufacturing and benefits from experience on the market since 1983. The product quality is essential and covered with certification such as ISO 9001:certified quality system (furniture industry, covering product development, production, procurement, transport...). Additionally, the kitchen fittings have a 10-year functional warranty. We and our partner take carefully into consideration the safety the products and their impact in the living environment to provide pleasant climate and furniture



# How to think and design a kitchen?

Not just a space to cook, the kitchen has always been a central space for social interactions in a home. Through time, the design industry transformed the traditional looking kitchen and made it evolved into an art piece combining new technologies, materials and styles. However, no matter if the kitchen you imagine for your house is adopting rustic appearances or glossy finishing and linear shapes, several elements have to be reviewed and considered before taking the plunge and purchase this bright new kitchen of your dreams.

As a kitchen is not only a matter of design, it is generally important to think and to imagine the space before considering its look. To ensure that the kitchen will meet your expectations and be sure not to left untouched major elements of the kitchen, you can divide the design process into distinct steps. Accordingly, before throwing yourself into the challenging task of picking the colours and the materials of the future kitchen, you might think about what it is possible to do in the available space you have. To know about the assets and inconveniences of a room by studying the existing factors and shapes will be helpful to organise later on the space, enhance the room advantages, transform the weaknesses into strengths and by consequence make the space unique. Knowing what it is possible to do will simplify the design and draft of the kitchen. Simple elements such as water arrival location or plug places will play an important role in the practicality of the kitchen, its pleasant use and its comfortable aspect in the future.

Thinking about the design of a new kitchen, it is also thinking about its use. For example, a kitchen will not be organised the same way if the room is closed or, on the contrary, if the space is open. It is important to think about what you would like this space to represent and to be used for: a central island can gather the cooking area and the dining space, whereas a separated kitchen is enjoyable to cook

peacefully and contain the cooking perfumes. If it is essential to know about what is possible to do, it is also important to know what you want. You can gather many ideas by taking a look to design examples, which are good for getting inspired and pick some styles you imagine can suit your home. Nowadays, a lot of solutions exist to optimise even the smallest spaces and to turn challenging areas into efficient and well-thought ones.

While sketching the kitchen, it is indispensable to take into consideration its functionality. It is the moment to think and include into the kitchen design the storage spaces, the working areas and the kitchen appliances. Is there a space for a dishwasher? Will the fridge and the oven be installed inside the kitchen cabinet? Is there enough space for cooking accessories and the crockery? Will cupboards be installed above the working surface? Or how to optimise the corner cabinet spaces? These are the questions you might want to answer.



These elements will, of course, play an important role in the appearance of the kitchen but not only. Well-thought, appliance and accessory positions highly improve ergonomics and flexibility in the kitchen. To optimise the space and to make it easy to circulate, the triangle of activity can be used. This method implies that the sink, the oven and the fridge might be placed away from each other so to form, when possible, a triangle, as the kitchen activity mainly depending on these three elements. However, the ergonomics and functionality of the kitchen can also depend on the size of the room, the organisation possibilities and constraints. It becomes then even more important to take time to arrange and adjust the space. When it comes to the style and the design of the kitchen, it mainly, if not completely, depends on your tastes.

Various materials, technologies, storage options, accessories, finishing, colours and shapes are available to comply with any of your ideas. Our advice would be to arrange the kitchen style to make it match with the rest of the house and create a smooth transition and harmony.

Another essential factor of a new kitchen is the budget. A kitchen is often considered as a consequent expenditure in the arrangement of a home, but it is possible to manage this expenditure and benefit from a beautiful and durable kitchen with a reasonable investment. A solution could be to purchase a kit kitchen, usually less expensive than kitchens installed by professionals. The materials also impact the final prices of the kitchen, therefore, occasional cooks and confirmed chef might not be searching for the same finishing and materials. A durable kitchen is a kitchen made with quality products, including cabinets, cupboards and surfaces, consequently, it is essential not to give the selection of these components a miss but be aware of your needs, wishes and financial capacity.

## What design for your new kitchen?

Designing a kitchen as a lot to do with personalisation. The choice of materials, colours, finishing and surfaces creates a unique space and on measurement atmosphere. However, the design is not only a question of mixing textures and colours, but it also follows interesting codes and creates styles. Various style design can match a kitchen, depending on the desired rendering and finish. It is also possible to combine different styles. For example, silver linear handles can bring modernity to traditional furniture, wooden cabinet doors with wood knots and round knobs will give rustic characters whereas glossy and wide handle-free cabinets will meet modernity and linearity. It seems easier to design a kitchen when knowing what type of style codes to follow.



### COMPTEMPORARY

Actual design, linear shapes, functionality, warm atmosphere, natural materials...



### MODERN

Actual design, linear shapes, functionality, minimalism, simplicity, smooth and shiny finishing, monochrome, white or black...



### TRADITIONAL / CLASSIC

Sophisticated ambiance, traditional looking handles, central lighting, refined, wooden structure, glass...



# Kitchen furniture

Apart from looking good, kitchen furniture quality makes the kitchen durable. Carefully choosing the materials can ease the maintenance and make your kitchen last through decades and tendency changes. Various quality materials are available to design your kitchen, when selecting them, think about the use of the doors, the aspect you would like and the finishing that attracts you the most.



## Door & cupboard shapes

Traditional, modern, classic, unconventional, the furniture is the first step through the style creation of your future kitchen.

You can access the full range of products and options by contacting us.

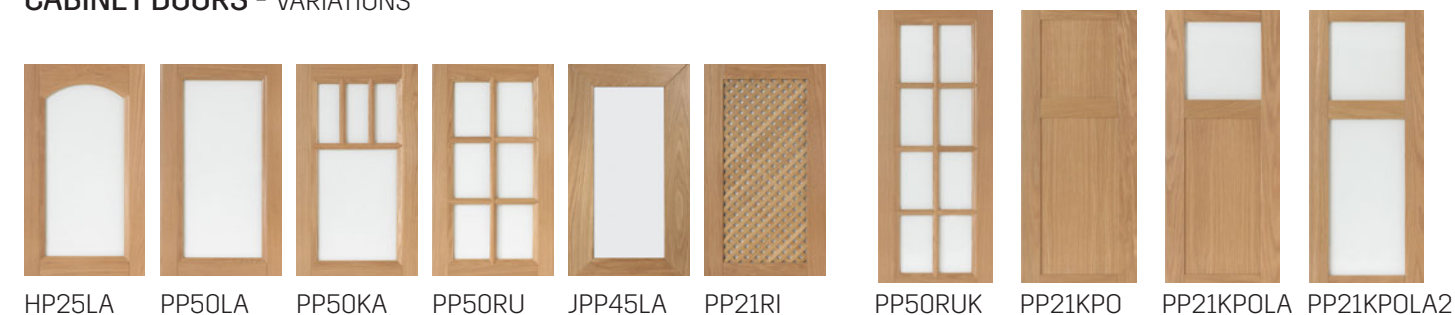
## CUPBOARD DOORS - MAIN SHAPES



## CABINET DOORS - MAIN SHAPES



## CABINET DOORS - VARIATIONS

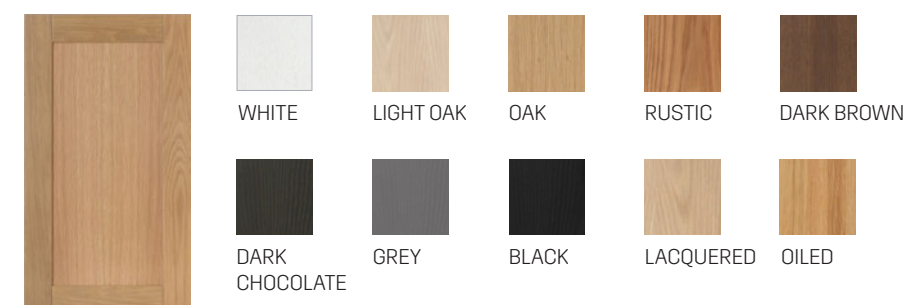


## Materials & finishing

A large selection of materials and finishing/colours is available to refine the kitchen look and climate. Doors are manufactured, treated and finished without solvents.

### OAK

- Robust and sturdy
- Solid
- Durable
- Moisture resistant
- Easy to maintain



### BIRCH

- Solid
- Durable
- Easy to decorate
- Smooth surface
- Impact resistant



### PINE

- Resistant to temperature variations
- Affordable
- Easy to decorate



### LAMINATE

- Highly resistant
- Watertight
- Affordable
- Solid
- Easy to maintain





## SPECIAL VENEER

The special veneer is thin, turned wood veneer, bleached or through-dyed. Strips are glued together.



## FOSBART

FOSB is a material made with wood bits, which are pressed and bound together by adhesive resin and glue.



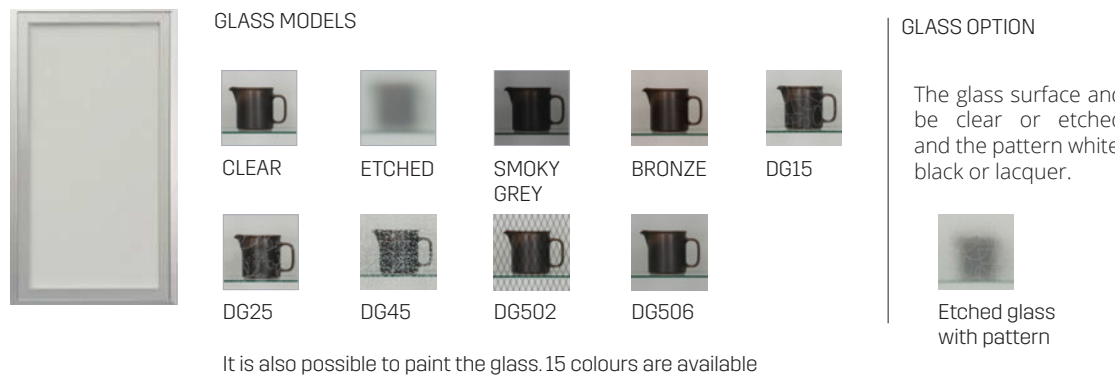
## MELAMINE

The doors are finished with a fillet of your choice, ABS and brushed stainless steel being available.



## ALUMINIUM

The aluminium doors go along with a glass. The style of glass influences the look and feel of design.



## MDF VARNISHED

- Robust  
- Durable  
- Well groomed finishing  
- Resistant to temperature variations and moisture



## MDF

- Robust  
- Durable  
- Well groomed finishing  
- Resistant to temperature variations and moisture







**GET  
INSPIRED**



Door/cupboard handles and knobs

The cabinet and cupboard handle gives the final touch to the design of a kitchen. It can transform a traditional kitchen into a modern one. Door handles and knobs can be associated with different shapes, colours or materials and thus contrast with the style of the rest of the kitchen.

KNOB MODELS



KNOB AND HANDLE MODELS





# HANDLE MODELS

UK 021 - 21 - 032	UK 020 - 21 - 016	VE 627 - 60 - 016
VKMV 128	HT 255 31 - 128	VE 304 - 20 - 064
STI 20 - 21 - 128	HT 222 - 21 - 160	VE 941 - 62 - 128
VE 230 - 20 - 096	HT 265 - 33 - 128	
HT 025 - 31 - 096	VE 113 - 20 - 064	
VE 113 - 41 - 064	VKMAN 96	
VE 165 - 41 - 160	VKMP 128	
Integrated edge	Integrated in surface	VE 976 - 60
VE 941 - 62 - 128	VE 119 - 33 - 160	032 160
VE 419 - 60 - 160	VE 419 - 64 - 160	VE 419 - 67 - 160

000 195 395 VE 266 - 49	000 195 395 VE 266 - 41	000 195 395 VE 266 - 60
128 256 VE 254 - 67	128 256 VE 254 - 60	160 320 VE 829 - 20
128 256 448 VE 261 - 60	160 320 VE 538 - 64	160 320 VE 217 - 41
160 288 VE 262 - 60	160 288 VE 262 - 11	160 288 VE 262 - 35
160 288 VE 262 - 46	160 320 VE 798 - 20	064 128 224 VE 138 - 60
128 192 292 392 HT 620 - 10	96 192 336 436 VKMR	128 192 288 384 VE 026 - 60
128 192 288 384 VE 026 - 49	128 192 288 384 VE 026 - 41	



HANDLE MODEL HT 265 - 33 - 128



HANDLE MODEL VKMRU 96



## WITHOUT HANDLE SOLUTION

More and more, modern design of kitchen includes cupboard and cabinet without handles or with integrated ones. A small hollow is directly made into the door cabinet and substitutes the traditional handle or knob. This solution brings aesthetics to the kitchen look and makes the surfaces smooth and sophisticated.



# PICK NEW IDEAS



Aspect, durability, use and cost, these are the main elements when choosing a working surface for a kitchen. Various materials can comply with different use of the working table. When experienced cooks will be more attracted by thick and highly resistant surfaces such as stone, quartz or ceramic, more amateur cooks and those with a more limited budget can easily find satisfaction with solid materials that laminate or wood are. The cost of the material and the area of the kitchen table are elements to be taken into account during the decision process. When it comes to appearances, a lot of colours, texture and finishing are available to match the kitchen furniture and appliances.

## LAMINATE

- Resistant
- Easy to clean
- Durable
- Recommended to use tablemat
- Easy to install



### TKM 40 / TKM 40 S



COLOUR	LIGHT WOOD
SIZE	40 x 1200 x 3550 mm
CORNER OPTIONS	SQUARE - TKM40/40S CURVED - TKM40

### Colour and pattern options

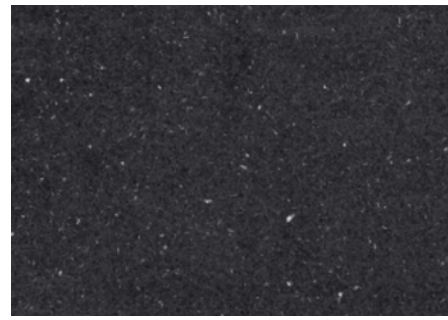


### Additional edge finishing options





### TKM 30 / TKM 30 S



COLOUR	FLASH BLACK
SIZE	30 x 1200 x 3550 mm
CORNER OPTIONS	SQUARE - TKM30/30S CURVED - TKM30

#### Colour, pattern and edge options



### TKM 20 S



COLOUR	METAL ROCK LIGHT GREY
SIZE	20 x 1200 x 3550 mm
CORNER	SQUARE

#### Colour and pattern options



## QUARTZ

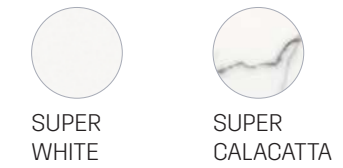
- Highly resistant to scrapes, stains and impacts
- Durable and solid
- Keep from heat (150°C max)

### MGS 18



COLOUR	SUPER CALACATTA
SIZE	18 x 1200 x 2700 mm

#### Colour and pattern options



### MDS 20



COLOUR	KIRA
SIZE	20 x 1200 x 2600 mm

#### Colour and pattern options

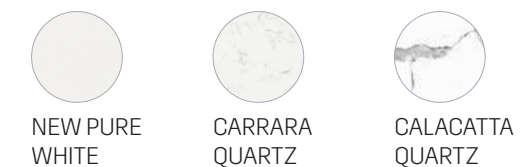


### CMP 20



COLOUR	CALACATTA QUARTZ
SIZE	20 x 1200 x 2800 mm

#### Colour and pattern options

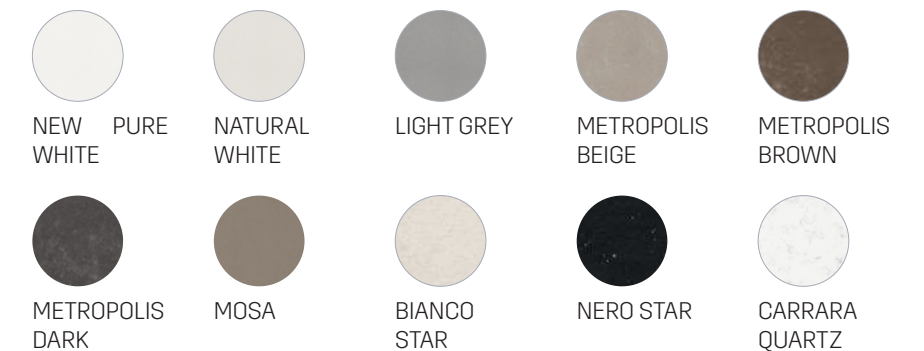


### CMP 30



COLOUR	NERO STAR
SIZE	30 x 1250 x 2800 mm

#### Colour and pattern options







BE CREATIVE



## CERAMIC

- Natural material
- No scrapes
- Highly resistant to heat
- Highly durable

### MSC 12



COLOUR CAVA DIAMOND CREAM  
SIZE 12 x 1220 x 3200 mm

#### Colour and pattern options



### MSC 06



COLOUR ARDOISE NOIR  
SIZE 6 x 1250 x 3200 mm

#### Colour, pattern and edge options



ADDITIONAL CERAMIC COLOURS AVAILABLE





## STONE

- Low wear rate through time
- Easy to clean and maintain
- Various and natural design for a unique appearance
- Highly resistant to scrapes and stains

SIZE 30 x 1200 x 2400 mm



GREY PEARL



LABRADOR BLUE



AURORA BOREALIS



MOCCA BROWN



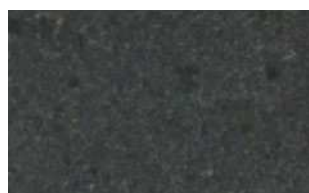
BLACK



RISTIJARVI GREY



SATIN



DARK LABRADOR



DESERT BROWN



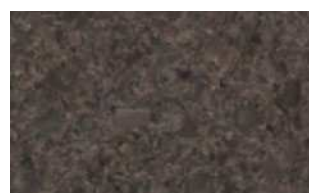
STARGATE



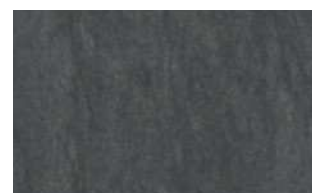
SILVER CLOUD



MOCCA SATIN



CARBON SATIN



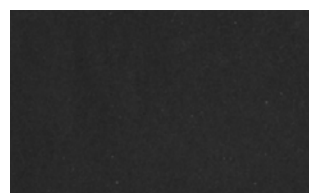
NIGHT SATIN



KURU GREY



MATT BLACK



ROYAL BEIGE



TAIVASSALON RED



HIGHLAND BROWN



HIGHLAND GREEN



ANTIQUÉ BRONZE



IMPALA



## SOLID WOOD

- Warm atmosphere
- Sensitive to heat - use a tablemat
- Need to be maintained with oil and care products
- Solid and robust



SWS 38 OAK

SIZE 38 x 1200 x 2800 mm  
MATERIAL OAK

K00 - NATURAL



K0 - VARNISHED



KMO - OILED



SWF 30 OAK

SIZE 30 x 1200 x 3500 mm  
MATERIAL OAK  
FEATURE MAX LENGTH PKO - 3000 mm

PK00 - NATURAL



PK0 - VARNISHED



PKMO - OILED



SWS 38 BIRCH

SIZE 30 x 1200 x 3500 mm  
MATERIAL BIRCH

B00 - NATURAL



B1 - VARNISHED



BMO - OILED



SWF 30 BIRCH

SIZE 30 x 1200 x 3500 mm  
MATERIAL BIRCH  
FEATURE MAX LENGTH PBO - 3000 mm

PB00 - NATURAL



PB0 - VARNISHED



PBMO - OILED



SWS 38 DARK WALNUT

SIZE 38 x 1200 x 2800 mm  
MATERIAL WALNUT  
FEATURE MAX LENGTH PAO - 3000 mm

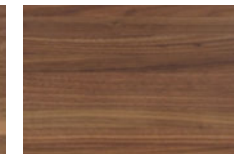
PA00 - NATURAL



PA0 - VARNISHED



PAMO - OILED



SWF 30 WALNUT

SIZE 30 x 1200 x 3500 mm  
MATERIAL WALNUT  
FEATURE MAX LENGTH PWO - 3000 mm

PW00 - NATURAL



PW0 - VARNISHED



PWMOO - OILED





### SWF 30 ASH

SIZE	30 x 1200 x 2800 mm
MATERIAL	ASH
FEATURE	MAX LENGTH PS1 - 3000 mm

PS00 - NATURAL



PS1 - VARNISHED



PSMO- OILED



### SWF 30 SPOTED BIRCH

SIZE	30 x 1200 x 3500 mm
MATERIAL	BIRCH
FEATURE	MAX LENGTH PBO X488: 3000 mm

PBO X482 NATURAL



PBMO X482 VARNISHED



PBO X488 OILED



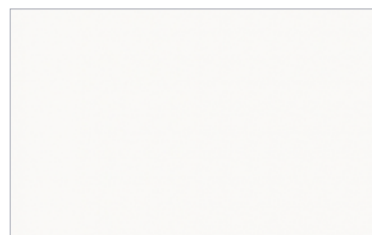
PBMO X488 OILED



## SOLID WORKTOPS

Solid worktops are made with various components including composite, natural materials, acrylic and dye. They are highly resistant and adopt a simple and modern look.

TITAN WHITE



FROSTED LIGHT



FROSTED GREY

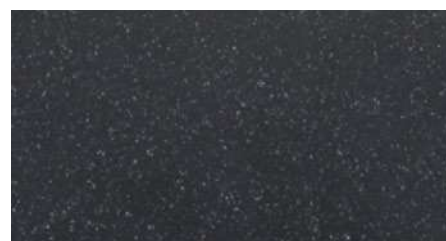


## COMPOSITE CORIAN®

### CORIAN® TECHNOLOGY

The Corian® composite is a material made with natural mineral and acrylic fibres.

### CORIAN MNS 30



COLOUR DEEP BLACK QUARTZ

SIZE 30 x 1200 x 3600 mm

- Resistant to dirt
- Resistant to moisture
- Easy to clean and maintain
- Naturally warm

### Colour, pattern and edge options



GLACIER WHITE



ELEGANT GREY



WARM GREY



RAIN CLOUD



LAVA ROCK



DEEP BLACK QUARTZ







## 01. Log houses and wooden constructions



## 02. Prefabricated houses



## 03. Additional House Elements & Accessories

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