



**CAYAKI.COM**

**INSTALLATION GUIDE – INTERIOR**



SEPTEMBER - 2019

## **PRECAUTION**

Although this installation guide was designed with utmost care, CAYAKI INC. is not responsible for any errors or omissions that may result from its use.

You must therefore take into account all the documentation and regulations that may apply.

## **GET READY**

The guarantee is conditional to a careful monitoring of all steps.

## **PRELIMINARY VERIFICATION OF MERCHANDISE AND QUANTITY**

The installer must inspect the products before installation.

Protect yourself! Check all packages before accepting the delivery. If you notice any damage to the packaging, write it down on the delivery note before signing it and make a copy. Communicate right away with CAYAKI INC. in order to receive further instructions. If before or during the installation, you notice that products have anomalies or do not meet the specifications of your order, call CAYAKI INC. at once.

Do not install the burnt wood planks if the product does not comply with your order or has anomalies. CAYAKI INC. is not responsible for any costs or labour fees related to the installation of products that have apparent defects.

## **ACCLIMATIZATION**

Wood is hygroscopic: it reacts to temperature and humidity.

As a result, a 72-hour acclimatization is required in the setting environment. Poor acclimatization before installation can cause twisting, narrowing and/or suction effects.

## **PREPARATION OF THE INSTALLATION SURFACE**

Wall surfaces, plywood sheets and ventilation battens must be smooth, clean, dry and straight.

**At all times before installation, our products must be kept dry (between 8% and 12% moisture).**

*N.B. This guide is provided as a basic reference. The user is responsible for the installation in a careful manner, in accordance with the highest standards applicable and in compliance with building codes, laws and regulations.*

## **RECEPTION AND INSPECTION**

It is the installer's responsibility to check all material and hardware before installation.

### **RECEPTION**

All our orders are delivered by a regular carrier or by a big carrier, based on the volume of the order. Again, if your order arrives damaged, note the damage on the delivery note before signing it (keep a copy) and take pictures. Communicate **immediately** with CAYAKI INC. Do not remove the packaging and do not start the installation.

### **DILIGENT INSPECTION**

Thoroughly inspect the planks before installation. Make sure the lighting is adequate. If, during the installation, you notice that some planks contain anomalies or do not meet the specifications of your order, or that you are simply not satisfied with the product, contact CAYAKI INC. at once. Do not install the planks.

As soon as the installation has begun, we consider that you have accepted our product, the installation surface is adequate and the working conditions meet the standards and regulations, including the ambient temperature and the humidity rate at any time during the installation process. This applies to all variables that can negatively impact our products. No warranty or claim will be accepted for products installed with apparent defects. As wood is a natural product, industry practices allow a margin of 5 to 15% of delivered products that may have manufacturing defects, handling damage, finishing flaws or other minor damages.

## **STORAGE, ACCLIMATIZATION AND WORKING ENVIRONMENT**

Before installation, store our products in a suitable place for a minimum of 72 hours and allow the wood to acclimatize to room temperature.

Store our products on a flat surface and space them using sleepers that allow air circulation. The storage place must be clean and dry. Do not store our products directly on concrete flooring or near an exterior wall.

### **WORKING ENVIRONMENT**

Before starting work, the installer must ensure that the work environment is clean and that the installation surface meets the requirements of this Installation Guide. CAYAKI INC. is not responsible for any problem resulting from the working environment or the conditions of the laying surfaces.

All water-related work that may affect the ambient humidity rate must be completed before installing our products. In general, our interior products are installed at the finishing stage of the project.

If systems control the temperature and humidity, they must remain in operation from reception to installation. The spaces to receive our products must maintain, for a week before installation, a constant temperature between 60° and 70°F (or between 15° and 21°C), and the ambient humidity rate must stay between 35% and 55%. These guidelines also apply during and after installation.

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## Section 3/6

### **ACCLIMATIZATION**

#### **ACCLIMATIZATION**

Our wood contains between 8% and 12% moisture. The acclimatization of the wood must take into account: the environment, the installation, the ambient humidity and the laying surface.

When receiving wood, carefully check the wood moisture with a hygrometer to establish a baseline for acclimatization. A good method is to sample several places. Please acclimatize our products according to your geographical location.

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## Section 4/6

### **WOOD MOISTURE TESTING AND INSTALLATION SURFACE PREPARATION**

**Keep a record of your wood moisture testing and installation environment.**

CAYAKI INC. is not responsible for defects caused by adverse conditions in the installation environment. Plywood and/or vent battens must contain less than 12% moisture. Products of less than 3 inches wide must contain approximately 4% moisture; and 2% if planks have a width of 3 inches or more. If you find higher rates in one place, do not install until you have identified the causes and remedied them. Pay careful attention to exterior walls and walls containing plumbing. Never install products on "green" plywood or insulated strips.

#### **Plywood and/or Ventilation Cleats**

You must conduct a wood moisture test for each installation space that does not exceed 200 square feet (18.6 m<sup>2</sup>).

#### **New Constructions**

Do not install our products on freshly painted surfaces or wet masonry. Before conducting moisture tests, the new plaster and masonry must have had time to dry for at least 60 days. It is then recommended that you perform an impedance and electrical resistance test with a hygrometer.

Even if the wood we produce at CAYAKI INC. is resistant to moisture and mould, our company is not responsible for moisture release and mould problems at the construction stage.

#### **Outward-Facing Walls and Installations on Masonry**

Due to moisture problems, when you plan on installing our product inside an exterior wall on masonry

or on a concrete wall, we recommend installing a vapour barrier between our product and the supporting surface. Use an impervious vapour barrier with a coefficient of 0.15 or less, such as a 6 mm polyethylene film.

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Section 5/6

## **INSTALLATION**

**We recommend the use of nails or staples on plywood.**

For installations requiring ventilation brackets, if our burnt wood planks are to be horizontal, the cleats must be installed vertically. If you want our burnt wood planks to be vertical, the ventilation slats must be laid horizontally.

Our products are designed for normal use in dry environments only, and must be kept dry and protected from moisture at all times.

## **BEFORE INSTALLATION**

Remove hinges, door edges and skirting boards. Leave a space of 13 mm- (½ inch) for expansion between the ends of the boards that abut on fixed pieces such as walls.

Before installing, check that the nailing will not create a "dimple" that may result in imperfect joints. If this happens, STOP immediately to readjust your nailing tool. CAYAKI INC. is not responsible for imperfect joints.

## **Friction of Burnt Wood Surfaces**

The burnt wood brings out a pleasant texture that will make all the charm of your walls. For best results, we recommend avoiding any friction between stacked boards.

## **Finishing Product**

CAYAKI INC. strongly suggests ordering finished products to make your job easier and get better results. However, if you choose not to, they must be treated with finishing products before installation.

## **Installation**

During installation, maintain a uniform expansion joint.

Leave a 13 mm (½ inch) gap at each end, which stops on a wall when starting from a corner. For horizontal installation, start the first board with its groove facing the floor. For vertical installation, the groove must face the nearest corner. Mark an installation guide using a laser or slam a chalk line. Fasten the first row by beveling the tab on the vent bracket, and secure the groove by nailing perpendicular to the wall surface. Then, insert the angled nails on the tongue with sufficient force so that the nail head is flush with the outside of the tongue. This job, if well done, will allow the next board to fit easily without nails impeding perfect joints.

Remember to constantly check that the boards remain straight while you nail up to the end of the board. For installation on ventilation slats, the planks should be cut so that the ends attach to one half of the batten (when a joint is to be made).

*Note that if the first row is installed and secured on the wall, it is not necessary to nail the planks perpendicularly. Check after 3 to 4 rows maximum that you maintain a properly aligned installation.*

Install the next row by sliding it gently. Space the joints, from row to row, at least 2.5 cm (10 inches). Use a rubber hammer (which does not leave any marks) and a block of soft wood to hit the tongue and join the boards. Never hit the groove. When you're ready for the corner, use the crowbar to join the boards. BE CAREFUL not to damage the board of the other corner. All our products are cut with rigour and to join them, it is necessary to make sure that there is no debris in the groove. You must adjust the support wall rather than forcing the joining of the boards.

The space left for the last row may be narrower than the width of the board. So cut along the board using, if necessary, the lever clamp. The last row's board will have to be nailed perpendicularly. Make a slight adjustment if necessary to hide the nails.

*DO NOT FORGET to touch up the ends of boards that have been cut using the retouch kit supplied with each box or ordered. The bag and the board must be kept at a temperature of 15 ° C.*

Before nailing, we recommend that you practice nailing on a small part (end) that you can discard.

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## Section 6/6

### **FINISHING AND MAINTENANCE**

Remove the expansion templates. Then, reinstall the curbs to cover the expansion space. When two walls meet at an acute or obtuse angle, we have border pieces that can be added to your order.

Immediately after installation, clean and remove all debris with a vacuum cleaner. If knots or cracks have appeared, use a pore mouth and retouch pouch.

#### **FINISH**

Wood is subject to discolouration when exposed to direct sunlight. Some of our finishes are inert and are but slightly affected by the fading process. Burnt wood is particularly protected from this phenomenon.

HOWEVER, it is recommended, if necessary, to refresh the wood planks with the oils meant for each product, which are available to order. Wood is a material that contracts and expands in response to changes in temperature and humidity. We therefore recommend maintaining an indoor temperature of 60° to 70° F or 15° to 21° C and a relative humidity of 35% to 55% to minimize the visible effects of the normal expansion/contraction phenomenon. In very dry places, a humidifier may be needed. Wood is also sensitive to UV rays. This phenomenon is not considered a defect and is excluded from all warranties. Over time, the original colour and the touch-up bag may vary slightly in colour, so it is your responsibility to contact us to make an arrangement to provide you with the correct touch-up colour. Using the touch-up colour on the boards automatically means that you have accepted our product and relieve us of all liability, including any other related fees.

#### **MAINTENANCE**

Use the appropriate oils for the chosen product.