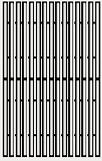


# BAMBOO ROD SCREENS

INSTALLATION & MAINTENANCE MANUAL

DOCUMENT	REVISION	SUPPLIER
Organic - Bamboo Rod Screen Installation and Maintenance Manual	02 - 4/12/2024	House of Bamboo 13 Erith Street, Botany, NSW 2044

I&M MANUAL



# ROD SCREEN

## INSTALLATION & MAINTENANCE MANUAL

### MATERIAL HANDLING

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Reduce Handling: This is the most effective strategy for decreasing harm. To avoid excessive handling, plan your storage and process flow processes properly from our warehouse to your home. Materials should be stored in a safe dry place in their packaging until it will be used.

### ACCLIMATISATION

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The most crucial precaution to take to ensure a successful installation is to acclimatise the panels beforehand due to variations in relative humidity across different regions of Australia. The moisture level of the item must be properly acclimated to your environment's conditions. An improper acclimation process may result in the substrate expanding and/or shrinking more than usual after installation. The cladding should be allowed to acclimatise in its unopened packaging for at least 48 hours at a standard room temperature of 18 to 25 degrees Celsius and a relative humidity of 50 to 70%.

### CARE & MAINTENANCE

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Indoor Application:

- If accidents occur such as spills, wipe the affected area with slightly damp cloth. Check with coatings manufacturer for advice regarding their recommendations.

Outdoor Application:

- Recommended to apply oil every 18 - 24 months, depending on the exposure to elements [sun or water].
- If screens become dirty, then use a pressure hose to clean them, and allow them to dry fully prior to reapplying the oil.

### HANDLING & STORAGE

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Precautions for Safe Handling	Material should be stored in a cool dry area. Exposure to moisture may cause mould or mildew to form on the surface of the material.
Minimize Handling	To reduce potential damage to materials, minimize handling and utilize team lifting procedures.

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## HANDLING & STORAGE

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Proper Stacking	Materials should be stored flat on raised blocking of equal thickness and spacing. Recommended spacing for spacers is every 30 to 60 cm.
Light	Avoid long exposure to direct sunlight for unfinished materials.
Acclimatisation	Materials should be allowed to acclimate to the installation environment and humidity prior to installation. Recommended acclimation time is 48 to 72 hours.

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## GUIDELINES FOR CLEANING BAMBOO

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Bamboo used externally would usually accumulate dust and dirt from the environment over time. We recommend inspecting the material every 6 to 12 months. Follow these guidelines to ensure proper care:

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Removal of Surface Dirt	<p>Use a hose and a soft-bristled broom to remove loose dust and dirt. This prevents scratches from particles that may grind against the surface.</p> <p>For surface mould or more stubborn stains you could use a pressure hose. This will strip the protective oil coating which will need to be reapplied. Check with Coatings manufacturer before using this approach.</p> <p>Refer to cleaners recommended by coatings manufacturer.</p>
WOCA Oil	Please refer to coatings manufactures manual regarding maintenance. However, we strongly recommend maintenance every 12 months.
Drying	Always dry the surface immediately after cleaning to prevent moisture damage. Use a clean, dry cloth to remove any remaining moisture.

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## ROUTINE CLEANING REQUIREMENTS

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Regular cleaning is essential to keep your bamboo in optimal condition. Establish a routine based on the following frequency:

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12 Months	<ul style="list-style-type: none"><li>• Deep Cleaning: Conduct a more thorough cleaning using a slightly stronger solution if necessary, but always test the solution on a small area first.</li><li>• Inspection: Check for signs of wear, scratches, or damage. Address any issues immediately to prevent them from worsening.</li></ul>
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## APPLICATION METHOD

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- 1. Clean Natureed:**  
Prior to recoat, wash down with a high pressure gurney or hose down with a mild solution of water & household detergent.
- 2. Dry Area:**  
Leave to completely dry over approximately 1-3 days.
- 3. Oil Preparation:**  
Thoroughly stir oil before and at regular intervals to keep consistent level of pigments.
- 4. Oil Application:**  
Apply liberal, even coats using a long-haired natural bristle brush.
  - Re-apply additional coats every 24 hours (in warm, dry weather).
  - Apply 3 coats for maximum protection, including the end grains.
- 5. Re-Application:**  
Repeat every 12 months if exposed to full sunlight year round. Application is best, at the end of spring to allow the product work best over the hot summer months. Undercover or shaded areas only require less maintenance, depending on the level of fading.

**TIP:**

Do not use thinners or dilute the oil. This will result in early breakdown of coating.

## FINISHES

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Like with hardwood it is always advised to test for results related to stain and finish. Apply finishes according to the recommended thickness and temperature specified by the manufacturer. It is advised to test the adhesion or finish to make sure that the treatment, the panel, and the installation environment are all generally compatible.

## INSTALLATION - EXISTING FENCE

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What you will need:

- House of Bamboo Bamboo Rod Screen
- Flat bamboo or timber battens.
- Existing Fence.
- Stainless Steel Self Drilling Screws - Pine Treated

Before beginning the installation, it is crucial to ensure that the wall to which you will be applying these screens is firm and in good conditions.

## INSTALLATION STEPS - EXISTING FENCE

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### 1. Unroll the Screen:

Carefully onto a flat surface, such as the ground or a floor. Fold over an inch of the beginning and end of the Bamboo Rod Screen roll to form a solid strip to attach the material to the fence.

### 2. Trimming the Screen:

Measure the length of your existing fence/structure where you plan to install the Bamboo Rod Screen.

- Decrease height: carefully cut using a secateurs, drop or circular saw (Hand saws are not recommended as they tend to fray the edges).
- Decrease roll width: Locate the nodes in each pole. A node is a circular section on the bamboo culm, it is solid all the way through and the center section between nodes is hollow.
  - TOP: the end where the poles are cut just above the nodes, should face upwards. So that the pole is closed.
  - BOTTOM: the end where the poles are open and exposed, should face downwards.

### 3. Fitting Using Self Drilling Screws:

Decide where you want to fix and drill the Bamboo rod screen into the existing fence/structure. Measure and mark the poles where you will drill. Roll your screen and place it into your existing fence using a level surface to ensure even unrolling. Gently pull out the screen to ensure it's straight. Use pre-drilling screws to gently secure the screen to the existing fence, using the previous marks as a reference. Fixings should be placed every 6-8 poles. Avoid using excessive force to prevent bamboo splitting.

### 4. Completion:

Your Bamboo Rod screen installation is now complete.



## POST METHOD INSTALLATION

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What you will need:

- House of Bamboo - Bamboo Rod Screen
- Bamboo, Timber, or Steel Posts. Contact a builder to install structure.
- Stainless Steel Self Drilling Screws - Pine Treated

Before beginning the installation, it is crucial to ensure that the wall to which you will be applying these screens is firm and in good conditions.

## POST INSTALLATION METHOD

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### 1. Unroll the Screen:

Carefully onto a flat surface, such as the ground or a floor. Fold over an inch of the beginning and end of the Bamboo Rod Screen roll to form a solid strip to attach the material to the fence.

### 2. Trimming the Screen:

Measure the length of your existing fence/structure where you plan to install the Bamboo Rod Screen.

- Decrease height: carefully cut using a secateurs, drop or circular saw (Hand saws are not recommended as they tend to fray the edges).
- Decrease roll width: Locate the nodes in each pole. A node is a circular section on the bamboo culm, it is solid all the way through and the center section between nodes is hollow.
  - TOP: the end where the poles are cut just above the nodes, should face upwards. So that the pole is closed.
  - BOTTOM: the end where the poles are open and exposed, should face downwards.
- If you need a shorter length, measure and mark the desired length on the unrolled screen, leaving 2 extra poles to have extra wire. Cut using pliers or wire cutters, remove the extra poles and wrap the extra wire back around the last pole.
- If you need a shorter height, measure the height of your desired fence and the actual Bamboo Rod Screen height. Make sure the poles are square (at the same height) before marking and cutting. Measure two points at the start and end section to your desired height. Double check measurements to avoid errors. Draw a straight line connecting the two marked points and pre-drill each pole (we recommend using 3.5mm Drill Bit for all pre-drilling). Prop up the screen so that the saw doesn't hit the ground. Carefully cut the bottom part of the poles using an angle grinder or a circular saw.

### 3. Create the Structure:

If you have an existing fence: Use flat Timber battens to create a structure with the same length and height as your Rod screen. If your existing fence is 1.8m tall and in good conditions, there's no need to create an attached fence to it. If your fence is 1.2 m, you'll need to extend the height of the existing fence. Build a structure to hold new screens above the existing fence (please see the photos below). Make sure to use stainless steel screws suitable for your particular substrate. If you don't have an existing fence, contact a builder to install a framework structure so that you can attach your Bamboo Screens to it.

## POST INSTALLATION METHOD

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### 4. Fitting

Decide where you are going to fix and drill the Bamboo rod screen into the existing fence/structure. Measure and draw a line in the poles where you're going to drill. Pre-drill holes in each pole. Roll your screen and place it into your existing fence using a level surface to evenly unroll it. Gently pull out the screen to ensure it's straight. Re-drill into the existing holes so that the existing structure gets drilled too. Use Treated Pine Screws (8-10 x 50mm) to gently fix the screen to the existing fence. Fixings should be done every 6-8 poles, and do not use excessive drilling force or the bamboo risks splitting.

### 5. Completion:

Your Bamboo Rod Screen has been installed.

Fence Installation Image:



Image showing nodes in different bamboo poles.



## PERGOLA INSTALLATION METHOD

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What you will need:

- House of Bamboo Bamboo Rod Screen
- Flat bamboo or timber battens.
- Stainless Steel Self Drilling Screws

Before beginning the installation, it is crucial to ensure that the wall to which you will be applying these screens is firm and in good conditions.

## PERGOLA INSTALLATION STEPS

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### 1. Unroll the Screen:

Carefully onto a flat surface, such as the ground or a floor. Fold over an inch of the beginning and end of the Bamboo Rod Screen roll to form a solid strip to attach the material to the fence.

### 2. Trimming the Screen:

Measure the length of your existing fence/structure where you plan to install the Bamboo Rod Screen.

- Decrease height: carefully cut using a secateurs, drop or circular saw (Hand saws are not recommended as they tend to fray the edges).
- Decrease roll width: Locate the nodes in each pole. A node is a circular section on the bamboo culm, it is solid all the way through and the center section between nodes is hollow.
  - TOP: the end where the poles are cut just above the nodes, should face upwards. So that the pole is closed.
  - BOTTOM: the end where the poles are open and exposed, should face downwards.
- If you need a shorter length, measure and mark the desired length on the unrolled screen, leaving 2 extra poles to have extra wire. Cut using pliers or wire cutters, remove the extra poles and wrap the extra wire back around the last pole.
- If you need a shorter height, measure the height of your desired fence and the actual Bamboo Rod Screen height. Make sure the poles are square (at the same height) before marking and cutting. Measure two points at the start and end section to your desired height. Double check measurements to avoid errors. Draw a straight line connecting the two marked points and pre-drill each pole (we recommend using 3.5mm Drill Bit for all pre-drilling). Prop up the screen so that the saw doesn't hit the ground. Carefully cut the bottom part of the poles using an angle grinder or a circular saw.

### 3. Create the Structure:

If you have an existing structure, contact a builder to install the pergola.

## INSTALLATION STEPS

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4. **Fitting Using Stainless Steel Self Drilling Screws:**  
Position the rod screen and secure it with screws.

If you're using more than one screen, join them in a post by putting the next roll to the end of the last and butt them together.

5. **Completion:**  
Your Bamboo Rod Screen pergola is now completed.

**TIP:**

You can use a polyurethane sheet to help cover the Bamboo Rod Screen to protect it from rain and other weather properties.

Pergola Installation Image:



## CONTACT US

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Saturday: By Appointment Only  
Sunday: Closed

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