



# Bambura<sup>®</sup> Wood Plastic Composite Fencing

## Operations, Maintenance & Installation Manual

Proudly Compliant with:



Proud to work with our partners



This manual provides a comprehensive overview for the installation, operation, and maintenance of Bambura® Wood Plastic Composite Fencing systems. This system is designed to establish a durable and low-maintenance boundary fence for domestic and light commercial applications, providing privacy and enhancing aesthetic appeal.

Bambura®FENCE WPC BOARD EMBOSSED ANTHRACITE GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1010
Bambura®FENCE WPC BOARD EMBOSSED EBONY BLACK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1030
Bambura®FENCE WPC BOARD EMBOSSED LIGHT GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1050
Bambura®FENCE WPC BOARD WOOD GRAIN EBONY BLACK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1070
Bambura®FENCE WPC BOARD WOOD GRAIN LIGHT GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1100
Bambura®FENCE WPC BOARD WOOD GRAIN TEAK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1130
Bambura®FENCE WPC BOARD WOOD GRAIN WALNUT 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1150
Bambura®FENCE WPC BOARD WOOD GRAIN ANTIQUE 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1170
Bambura®FENCE WPC BOARD WOOD GRAIN ANTHRACITE GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1200
Bambura®FENCE RISING SUN DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2050
Bambura®FENCE BOUNCE DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2100
Bambura®FENCE VERTILINE DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2150
Bambura®FENCE WAVES DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2200
Bambura®FENCE ALUMINIUM POST BLACK 80MM X 80MM X 1830MM LONG	COMPOSITE-FENC-2800
Bambura®FENCE ALUMINIUM POST SILVER 80MM X 80MM X 1830MM LONG	COMPOSITE-FENC-2850
Bambura®FENCE ALUMINIUM POST BLACK 80MM X 80MM X 2400MM LONG	COMPOSITE-FENC-2900
Bambura®FENCE ALUMINIUM POST SILVER 80MM X 80MM X 2400MM LONG	COMPOSITE-FENC-2950
Bambura®FENCE ALUMINIUM SIDE COVER BLACK 24MM X 5MM X 1830MM LONG	COMPOSITE-FENC-3600
Bambura®FENCE ALUMINIUM SIDE COVER SILVER 24MM X 5MM X 1830MM LONG	COMPOSITE-FENC-3625
Bambura®FENCE ALUMINIUM RAIL BLACK 25MM X 24MM X 1960MM LONG 2 PCS	COMPOSITE-FENC-3100
Bambura®FENCE ALUMINIUM RAIL SILVER 25MM X 24MM X 1960MM LONG 2 PCS	COMPOSITE-FENC-3150
Bambura®FENCE M8 X 80MM FIXING BOLTS BLACK	COMPOSITE-FENC-5100
Bambura®FENCE M8 X 80MM FIXING BOLTS SILVER	COMPOSITE-FENC-5120
Bambura®FENCE ALUMINIUM BASE CAP BLACK 142x142mm	COMPOSITE-FENC-3700
Bambura®FENCE ALUMINIUM BASE CAP SILVER 142x142mm	COMPOSITE-FENC-3850
Bambura®FENCE POST BASE BLACK 110x90x140mm	COMPOSITE-FENC-2500
Bambura®FENCE POST BASE SILVER 110x90x140mm	COMPOSITE-FENC-2520
Bambura®FENCE FIXING KIT BLACK	COMPOSITE-FENC-5025
Bambura®FENCE FIXING KIT SILVER	COMPOSITE-FENC-5075
Bambura®FENCE ALUMINIUM PEDESTRIAN GATE FRAME KIT BLACK 1665MM X 1200MM WIDE	COMPOSITE-GATE-1050
Bambura®FENCE ALUMINIUM PEDESTRIAN GATE FRAME KIT GREY 1665MM X 1200MM WIDE	COMPOSITE-GATE-1100
Bambura®FENCE WOOD PLASTIC COMPOSITE SAMPLES BOX	COMPOSITE-FENC-9500

**Disclaimer:** This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards, including the principles of BS 1722 (Fences), local building regulations, codes of practice, and site-specific risk assessments. While every attempt has been made to verify the accuracy of the content in this guide, we cannot accept liability for any losses or damages resulting from inaccuracies. All tasks outlined must be carried out by competent professionals. Any deviation from these instructions may nullify any warranty or liability from the manufacturer.

**Copyright:** The copyright of this guide is owned by First Fence Ltd and is protected at all times. Reproduction of this guide by any means is strictly prohibited without prior written consent from First Fence Ltd.

**Contact:** For enquiries regarding the installation, operation or contents of the guide in relation to this product please direct your questions to : The Product and Drawing Office Manager, First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. Or The Product and Drawing Office Manager sales@firstfence.co.uk +44 1283 380054.

**Manufacturer and/or Reseller:** First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. www.firstfence.co.uk +44 1283 380054.

**Competence:** This product must be installed by a person of competence, defined as an individual who possesses the necessary knowledge, skill and experience in the installation of fences and gates.

**Liability:** This installation guide should be understood and followed before any installation activities commence. If any area of the installation is unclear, the installer must contact the manufacturer, outlined in 'Contact.' First Fence Ltd takes no responsibility for incorrectly installed systems, product, material or components.

# 1.0 Safety & Tools

## Personal Protective Equipment (PPE)

The following minimum PPE is required for installation:

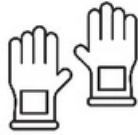
Dust Mask  
Must be worn



Eye Protection  
Must be worn



Safety Gloves  
For all material handling



Foot Protection  
Must be worn



## Risk Assessment

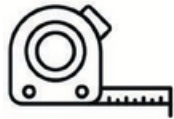
Installers are responsible for completing a site-specific risk assessment and complying with all local risk assessments before starting work. This responsibility includes, but isn't limited to, the following:

Activity	Risk Assessment Requirements and Not Limited to
Breaking ground for post hole excavations	Noise/Vibration Manual Handling Underground Services
Post Installation	Manual Handling Hazardous Substances (e.g. concrete mix)
Cutting and Fixing Panels	Noise Vibration Dust Inhalation

## Tools & Equipment

### Tape Measure

For setting out and measuring distances



### Spirit Level

For plumb (vertical) and level installation



### Spade/Post Hole Digger

For excavating post foundations



### Fine-Toothed Saw

For cutting WPC components to size



### Drill/Power Screwdriver

For securing fixings



### String Line & Pegs

To ensure a straight fence line



### Rubber Mallet

For tapping components into place without causing damage



### Cable Avoidance Tool

To identify hidden services embedded in the ground



## 2.0 Pre-Installation

### Site Survey & Preparation

**Planning Permission:** In the UK, fences over 2 metres high typically require planning permission (1 metre if fronting a highway). Always check with your Local Planning Authority (LPA).

**Ground Conditions:** Assess the stability of the ground. Poorly drained or very soft ground may require deeper or wider post foundations to ensure stability.

**Underground Services:** Before any digging, identify and mark the location of all underground services (e.g., pipes, cables). Use a Cable Avoidance Tool (CAT) and consult site plans.

**Obstructions:** Clear the fence line of any debris, rocks, or vegetation that could impede installation.

### Materials Check

Unpack the kit and verify all components are present and undamaged, checking against the Bill of Materials (Section 4.0).

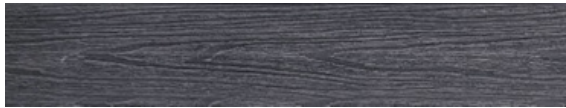
## Bambura® Wood Plastic Composite Fencing

Bambura® WoodPlasticComposite (WPC) is a versatile hybrid material composed of bamboo fibres combined with thermoplastics such as polyethylene, polyvinyl chloride, or polypropylene. The result is a product that combines the natural warmth and beauty of wood with the durability and low maintenance of plastic.

Wood Plastic Composite (WPC) is manufactured through an extrusion process in which wood fibres and plastic polymers are blended, heated, and then forced through a die to achieve the desired shape. This method produces a material with uniform composition and consistent quality. During production, additives such as colour pigments, UV stabilisers, and anti-fungal agents can be incorporated to enhance the product's performance, improving its colour stability, UV resistance, and protection against fungal decay.

One of the main advantages of WPC fencing is its low maintenance cost. Unlike timber fences that require regular staining, painting or treating, WPC fences need only occasional cleaning. Due to its durability and resistance to common issues like rot, warping and pest damage, repair costs are typically minimal.

Bambura® WPC Fencing is available in an embossed or wood grain finish. The embossed fencing boards have the texture physically stamped into the surface of the board, giving a texture you can feel; wood grain has a flatter surface with a wood-like pattern to it.



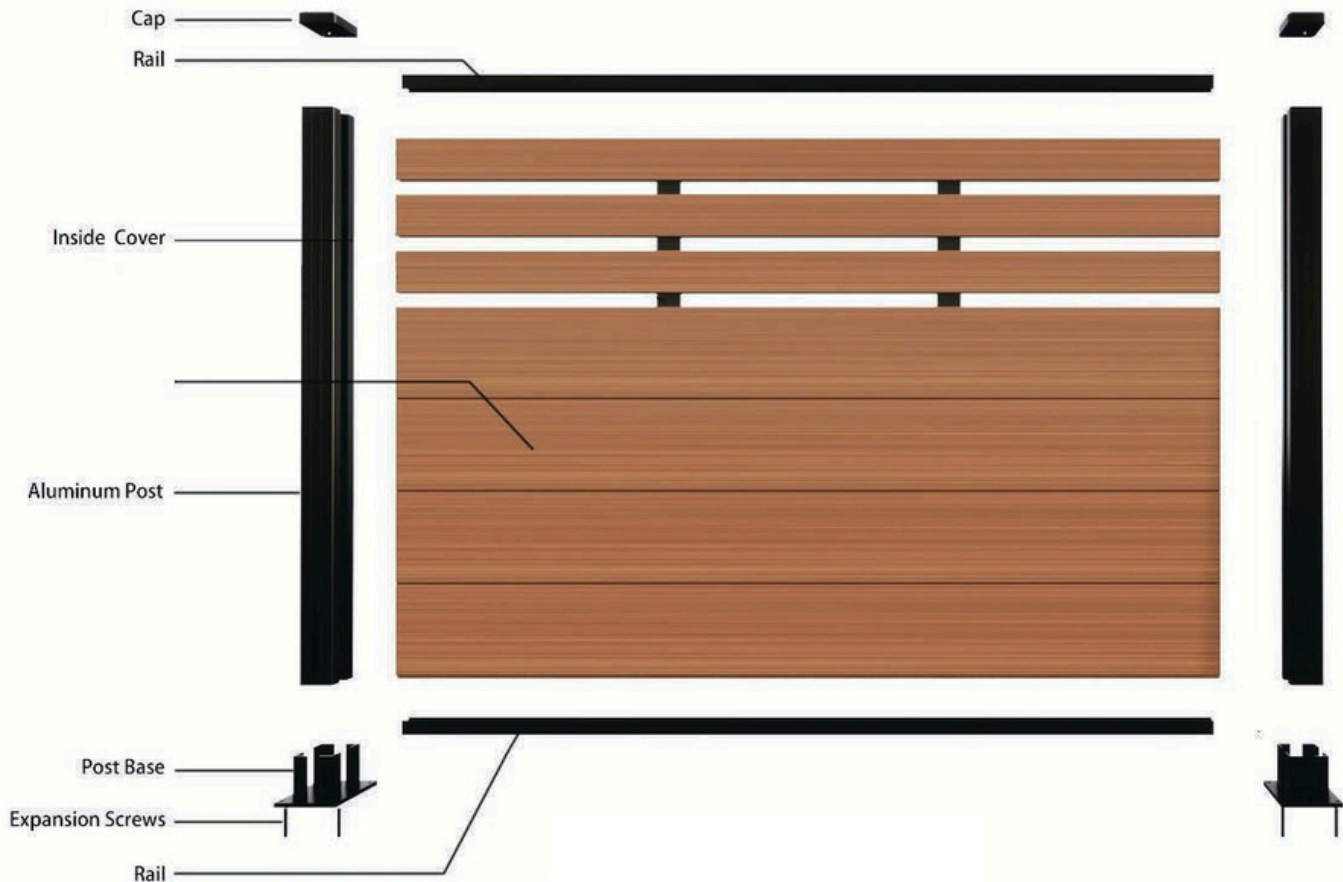
Embossed



Wood Grain

**NOTE: WPC products will expand and contract slightly with temperature. Store the panels in the final environment (or similar conditions) for a minimum of 24 to 72 hours before installation to allow them to acclimatise. Do not lean them against a wall. Always stack them flat, supported, and covered.**

## Bambura® WPC Fencing Components



# 3.0 Installation

## Step-by-Step Installation Guide

### Measure and Mark

First, determine the placement of your fence and mark out the post locations. Use a tape measure to ensure equal spacing.

### Dig-In Installation

Use a post hole digger or power auger to dig the holes for your fence posts. The depth should be about one-third of the post's height, plus an extra 6" for gravel.

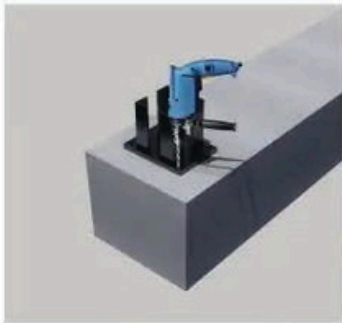
Pour a 6" layer of gravel into each hole for drainage, then, place a post in the hole, ensuring it's level. Mix post mix/concrete according to the product instructions, and pour it into the hole, filling to about 3" below ground level. Check that the post is still level and make adjustments if necessary. Allow the concrete to set according to manufacturer's instructions.

### Bolt-Down (surface-fixed) Installation

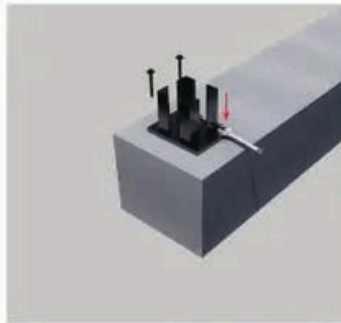
Drill the Post Base into the existing base using 4 expansion fixing bolts.

Place the post inside the Post Base.

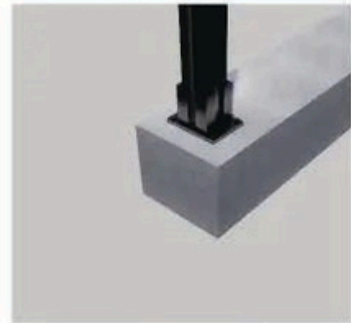
Ensure the post is completely vertical and straight, then fit the bottom rail to the post.



Drill the Post Base into the ground

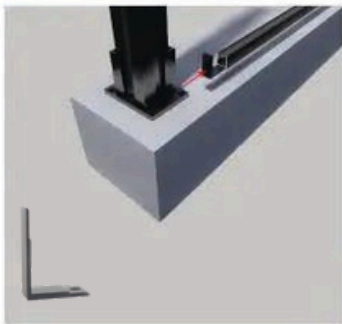


Fix the Post Base with the expansion screws

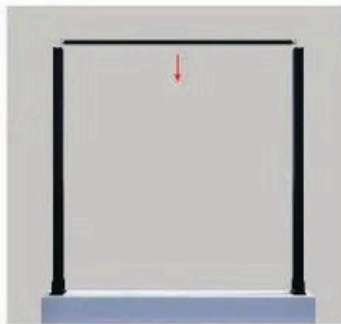


Fix the Post on the Post Base

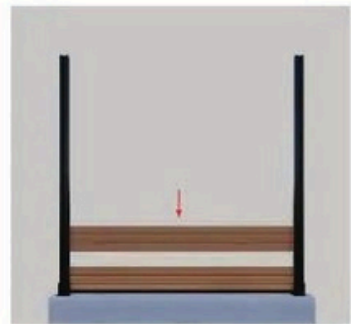
### General Installation steps



Put the Corner Brace in the slot of the Bottom Rail



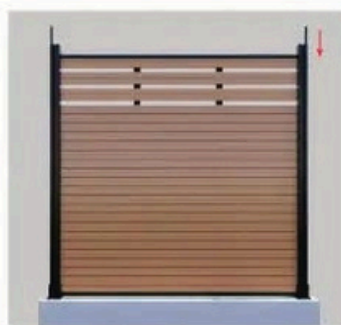
Slide the rail down to the bottom of the posts



Slide the fence panels into place



Insert the spacers (if using)


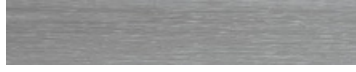








Install the upper rail and side covers














Install the caps onto the posts

## 4.0 Bill of Materials

Illustration	Component Name	Component Code	Quantity
	BAMBURA® FENCE WPC BOARD EMBOSSED ANTHRACITE GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1010	1
	Bambura® FENCE WPC BOARD EMBOSSED EBONY BLACK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1030	1
	Bambura® FENCE WPC BOARD EMBOSSED LIGHT GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1050	1
	Bambura® FENCE WPC BOARD WOOD GRAIN EBONY BLACK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1070	1
	Bambura® FENCE WPC BOARD WOOD GRAIN LIGHT GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1100	1
	Bambura® FENCE WPC BOARD WOOD GRAIN TEAK 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1130	1
	Bambura® FENCE WPC BOARD WOOD GRAIN WALNUT 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1150	1
	Bambura® FENCE WPC BOARD WOOD GRAIN ANTIQUE 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1170	1
	Bambura® FENCE WPC BOARD WOOD GRAIN ANTHRACITE GREY 168MM X 20MM X 2M LONG	COMPOSITE-FENC-1200	1

	Bambura® FENCE RISING SUN DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2050	1
	Bambura® FENCE BOUNCE DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2100	1
	Bambura® FENCE VERTILINE DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2150	1
	Bambura® FENCE WAVES DECORATIVE ALUMINIUM PANEL 146MM X 2M LONG	COMPOSITE-FENC-2200	1

	Bambura® FENCE ALUMINIUM POST BLACK 80MM X 80MM X 1830MM LONG	COMPOSITE-FENC-2800	1
	Bambura® FENCE ALUMINIUM POST GREY 80MM X 80MM X 1830MM LONG	COMPOSITE-FENC-2850	1
	Bambura® FENCE ALUMINIUM POST BLACK 80MM X 80MM X 2400MM LONG	COMPOSITE-FENC-2900	1
	Bambura® FENCE ALUMINIUM POST GREY 80MM X 80MM X 2400MM LONG	COMPOSITE-FENC-2950	1

	BAMBURA® FENCE ALUMINIUM SIDE COVER BLACK 24MM X 5MM X 1830MM LONG	COMPOSITE-FENC-3600	1
	BAMBURA® FENCE ALUMINIUM SIDE COVER GREY 24MM X 5MM X 1830MM LONG	COMPOSITE-FENC-3625	1
	BAMBURA® FENCE ALUMINIUM RAIL BLACK 25MM X 24MM X 1960MM 2 PCS	COMPOSITE-FENC-3100	2
	BAMBURA® FENCE ALUMINIUM RAIL GREY 25MM X 24MM X 1960MM 2 PCS	COMPOSITE-FENC-3150	2
	BAMBURA® FENCE M8 X 80MM FIXING BOLTS BLACK	COMPOSITE-FENC-5100	4
	BAMBURA® FENCE M8 X 80MM FIXING BOLTS SILVER	COMPOSITE-FENC-5120	4
	BAMBURA® FENCE ALUMINIUM BASE CAP BLACK 142 X 142MM	COMPOSITE-FENC-3700	1
	BAMBURA® FENCE ALUMINIUM BASE CAP GREY 142 X 142MM	COMPOSITE-FENC-3850	1
	BAMBURA® FENCE POST BASE BLACK 110 X 90 X 140MM	COMPOSITE-FENC-2500	1
	BAMBURA® FENCE POST BASE SILVER 110 X 90 X 140MM	COMPOSITE-FENC-2520	1
	BAMBURA® FENCE FIXING KIT BLACK (INCLUDES BLACK POST CAP, RAIL FIXING BRACKETS & SCREWS)	COMPOSITE-FENC-5025	1
	BAMBURA® FENCE FIXING KIT SILVER (INCLUDES BLACK POST CAP, RAIL FIXING BRACKETS & SCREWS)	COMPOSITE-FENC-5075	1
	BAMBURA® FENCE ALUMINIUM PEDESTRIAN GATE FRAME KIT BLACK 1665MM X 1200MM WIDE	COMPOSITE-GATE-1050	1
	BAMBURA® FENCE ALUMINIUM PEDESTRIAN GATE FRAME KIT GREY 1665MM X 1200MM WIDE	COMPOSITE-GATE-1100	1
	BAMBURA® FENCE WOOD PLASTIC COMPOSITE SAMPLES BOX	COMPOSITE-FENC-3100	1

# 5.0 Installation Sign-Off Checklist

Action	Description	Pass/Fail
Fence Line	Fence is positioned correctly as per site plan.	
Post Verticality	All vertical posts are plumb and secure in their foundations.	
Foundation	Posts are embedded to the minimum recommended depth.	
Panel Alignment	All panels and rails are level. Expansion gaps are present.	
Fixing Security	All required fixings are installed and secure. Post caps are fitted.	
Site Clean Up	Installation area is clear of surplus materials, tools, and debris.	

**Sign Off Declaration:**

I hereby confirm that this product has been assembled and installed in accordance with the above requirements and any remedial works have been carried out before the final sign off:

Site Supervisor

Sign Off Date

Relationship to the Client

\_\_\_\_\_  
Signature

\_\_\_\_\_

# 6.0 Maintenance Schedule

Regular inspection is recommended to ensure the system remains safe and functional.

Check Area	Recommended Action	Frequency	Reference
General Cleanliness	Visually inspect for dirt, debris, mould or mildew. Clean with warm soapy water and a soft brush. Do not use a pressure washer.	Annually or as required	Manufacturer's Spec
Structural Integrity	Check all posts and panels for signs of movement, displacement or damage. Ensure foundations are not eroded.	Annually and after adverse weather	BS 1722/ Manufacturers Spec
Fittings & Fixings	Check that all fixings, rails and post caps are secure and have not loosened over time.	Annually	Manufacturer's Spec
Ground Contact	Ensure soil, gravel or garden debris is not built up against the fence panels as this can trap moisture.	Annually	Good Practice
Panels	For minor cracks or scratches, use a repair kit designed for composite materials. Replace severely damaged components. The modular nature of WPC fencing makes this a straightforward process.	Annually or as required	Good Practice

## Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your system. Contact our sales team today to include this quote onto your sales order.

[highsecuritymaintenance@firstfence.co.uk](mailto:highsecuritymaintenance@firstfence.co.uk)