

Product Datasheet

Bambudeck Light carbonized Outdoor Wall Cladding

Bambudeck outdoor bamboo wall cladding is a carbonized, anti-corrosive bamboo board made from bamboo fibers that have been compressed and widely used in exterior applications.

This unique process ensures Bambudeck cladding is compliant with the EU standards and has perfect durability, improving the stability and density, but also the high hardness.

In addition, compared with wood products, this material has superior performance and can achieve fire resistance Class B1 (EN 13823 and EN ISO 11925-2).

Bambudeck Cladding is available in a variety of dimensions.

Due to prolonged exposure to the outside, the color of the bamboo will gradually become faded.

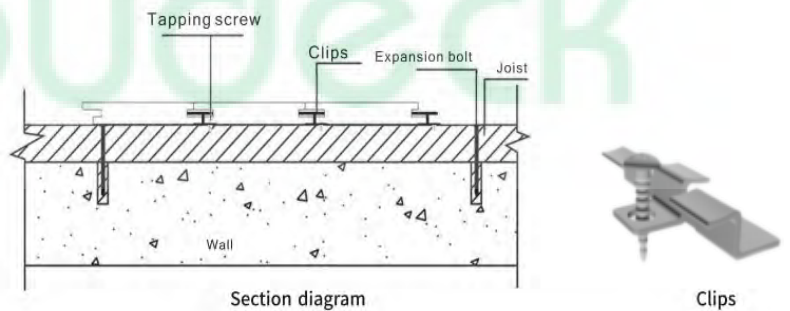


Product Code	Finish	Surface	End-matched	Length edges	Color	End edges	Dimensions (mm)
BD-LCWP-1	Unfinished	Flat	Yes	R3	Caramel Colour	2 mm x 45°	1860/2000/2250x103x8/12
BD-LCWP-2	Unfinished	Flat	Yes	R3	Caramel Colour	2 mm x 45°	1860/2000/2250x103x8/12
BD-LCWP-3	Unfinished	Flat	Yes	R3	Coffee Colour	2 mm x 45°	1860/2000/2250x103x8/12
BD-LCWP-4	Unfinished	Flat	Yes	R3	Coffee Colour	2 mm x 45°	1860/2000/2250x103x8/12

Other dimensions can be customized.

Installation methods

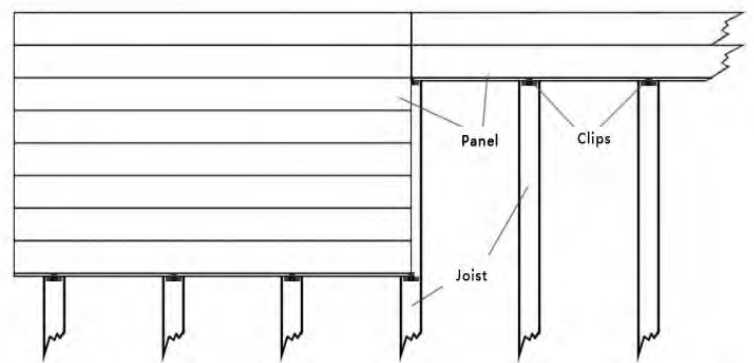
1. Layout the joists (joists can be wood, bamboo, stainless steel per your choice)
2. Fix the joist with screws (if strand woven bamboo pre-drill are needed, screws different per the materials you choosed).
3. Layout the first bamboo cladding.
4. Connect the clips with first cladding and nail it down with screws on the joist.
5. Connect the second wall cladding.
6. Repeat the installation process until all panel being installed, For the last one, need pre-drill on side and use screws lock it.



Consideration:

Please pay high attention: under a warm and unventilated application environment, light carbonized bamboo decking has the risk of getting moldy.

1. Before installing, please keep the products in a dry and shade place, and avoid the sunshine and the rain. Defects in the surface caused by improper storage is insufficient to cause customer complaint.
2. Before installation, clean up the wall, and make sure the basic is flat and stable. If there is no solid masonry on the substrate, the joist must be fixed to the main body of the building in a solid framework and in compliance with the relevant building regulations and design requirements.
3. The distance between the joist must be between 400 mm to 500mm, by a wall cladding of 1,860 mm length need a minimum of 5 joists.
4. Make sure the wall and wall cladding maintain dry before installation.



Installation drawing

Wall cladding maintenance manual

After 3-6 months of installation, first maintenance is required. Apply outdoor water-based oil after cleansing up the surface. Choose a suitable tool for cleaning according to the fixing scale.

1. Clean the wall panels: wash them with water or use a special cleaner to get rid of mold and dirt then clean them with a brush.
2. Make sure the wall panels get dry naturally and apply outdoor water-based oil.
3. Protect the maintained area until the oil gets dry naturally.

L-Series



After Installation 2 Years After Use After Cleaning After Maintenance

Technical data

Test item	Result	Standard
Fire Resistance Class	Bf1	EN 13501-1 :2007
UV Exposure	grade 4	ISO 4892-3:2016
Hardness	106.8N/mm ²	
Density	1200kg/m ³	
Bending Strength	95.5N/mm ²	characteristic value - EN 408
Moisture rate	7-12%	
Formaldehyde release	0.1mg/m ² h	GB/T17657-2013
Expansion Rate After 1 Hour In Boiling Water	4-5%	
Static Bending Strength	74.4N/mm ²	DIN EN 408
Determination of resistance	8.61N/mm ²	EN1534-2010
Modulus of Elasticity	19100N/mm ²	DIN EN 408
Specific Gravity	1.2kg/m ³	ASTM D2395-07 Method A
Light Ageing Test-UV Exposure	grey scale 3-4	ISO 4892-3:2016 Cycle 1 & ISO 105-A02:1993/Cor.2 :2005
Resistance to Indentation	9.5kg/mm ²	EN1534
Lifetime	25 years	EN1534

