

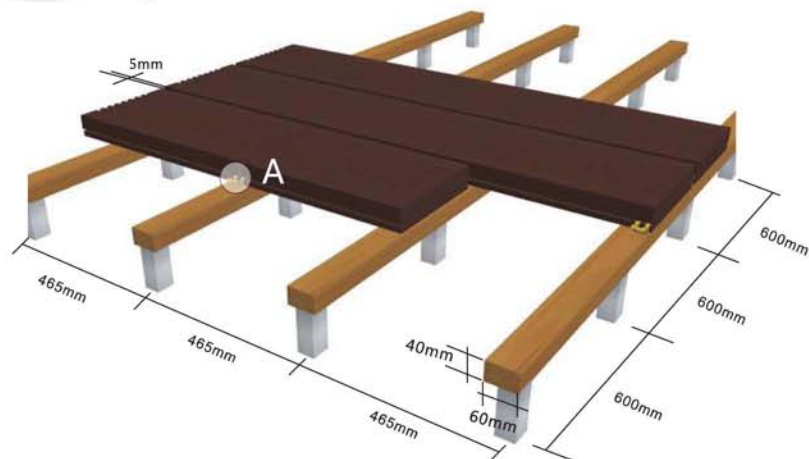
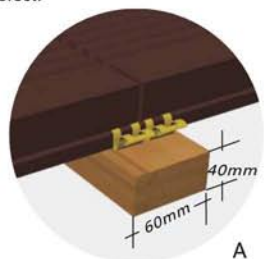
Projects
Reference

decking installation instruction

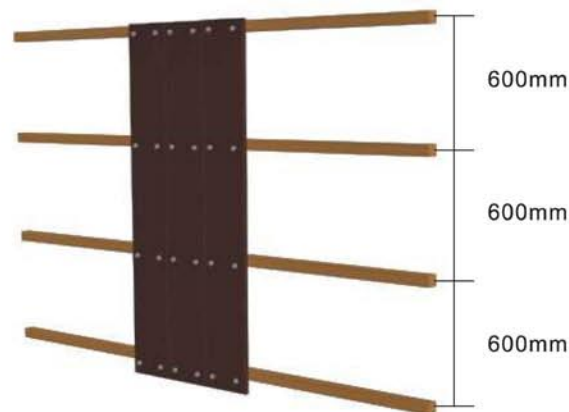
Installation Preparation

- ★ Water permeable structure underneath the decking has to be set in order to avoiding water logging.-To support the sub frame, please adopt 40-50mm thick tiles or pedestal, alternative made by cement or stone.Kindly refer to the drawing below.
- ★ It is suggested to install the deck with a slope of 2% to help surface water run off.
- ★ Good ventilation is very important.Minimum 20mm space is required at walls and obstacles,and try your best not to close terrace on these sides.
- ★ Please install the decks at least 100mm over the flooring in case of being affected by slow drying ground.
- ★ Directly installing onto the ground should be avoided by using sub frame batten. 40mm*60mm impregnated pine can be used for this.
- ★ Install the boards o sub frame joists with 462.5mm space between the joists(centre to centre) so each board in supported by 5 battens.Always install the head sides of the boards exactly on the sub beams.

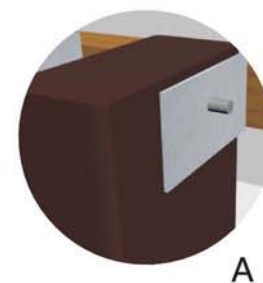
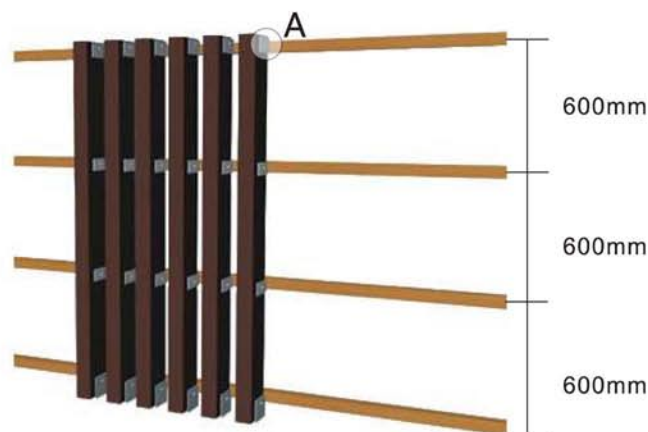
- ★ Surface and heads small crack or splinters will be visible on appearance after exposing bamboo decking to exterior circumstance.This phenomenon is normal for most wood species. Applying wax on head sides can minimize the cracks.
- ★ Splinters and roughness can be cleaned away with silicium carbide broom.
- ★ Dimensional change or cupping of the boards can occur after installation but being minimized
- ★ Under the climate influence, flat side surface will deform more than groove surface,which should not be considered as a defect.



Cladding installation instruction



beams installation instruction



Text Required: Density, Global MOR, Bending strength parallel to grain, Slip resistance, Brinell hardness

Summary of Result(s):

No.	Test Item	Test Method	Result	Conclusion ^A
1	Density	GB/T 17657-2013 Section 4.2	1.22g/cm ³	/
2	Global modulus of elasticity in bending	EN 408:2010+A1:2012 Section 10	13490 N/mm ²	/
3	Bending strength parallel to grain	EN 408:2010+A1:2012 Section 19	70.9 N/mm ²	/
4	Slip resistance	DIN 51130:2014-02	R10	/
5	Brinell hardness	EN 1534:2010	3.06N/mm ²	/

Text Required: FIRE RESISTANCE

Classification and direct field of application

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

a) Classification

The product, Outdoor bamboo decking, classification is as following,

Fire behaviour		Smoke production	
B fl	-	s	1

Text Required: PENTACHLOROPHENOL

Test Requested	Conclusion
Entry 22 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Pentachlorophenol (PCP) .	PASS



Weathered & Dirty



Weathered & Clean



Clean & Re-oiled

Cleaning

- ★ Rinse the whole deck with a garden hose, and make sure each decking is wet enough. Then wait 15-20mins
- ★ With a silicium brush or machine disk, scrub the deck symmetrically, and greyer parts should be scrubbed harder until the entire terrace is clean.
- ★ Rinse again at right water high pressure until washing away all dirt and soak.
- ★ Leave the deck to dry enough, read for oil application

Oil Application

- ★ Application oil after cleaning (refer to above procedures), and should avoid to work on a deck in direct sun.
- ★ Brush the deck with a silicium brush or machine disk, some parts may be required sanding. Machine with 80 grit is recommended while sanding.
- ★ Stir the saturator oil before and during the application to avoid colour variation
- ★ Apply a very slight layer of oil with a brush on the deck surface.
- ★ Wipe of any excess oil with clean cotton cloths after no more than 5-10 mins
- ★ Seal the heads joints and cut ends well to minimise absorbing water

decking installation instruction

The installation

Keep at least 5-6mm expansion space between the boards in width direction
No expansion space is needed on the end of the boards because of the size stability
Apply wax on the head cross after cutting to keep away water going inside.

Installation with clips

Choose which side as surface , grooved or flat
Install with clips (refer to the drawing in previous page)
Take 137mm width board for example, approx. 20 clips will used per Sqmt

Installation with pre-drill and screw

Choose which side as surface , grooved or flat
Install with Screws (refer to the drawing in previous page)

Maintenance and cleaning directly after installation

Pre-finished version

- ★ It is advisable to sweep the deck as much as possible
- ★ Coat new WOCA saturator oil 1 or 2 layers. Please maintain 1-2 times per year to prevent the bamboo turning grey and losing its characteristic bamboo grain. The first application can be performed either after installation or 3-4 months later where the pores will be more open to absorb this product.
- ★ Don't use the deck until the oil is dry enough.

Unfinished version

- ★ You can leave the deck without any maintenance if it is acceptable that rough, fissure surface and grey color comes more quickly than oiled one.
- ★ Apply oil directly after installation is recommended. The SIKKENS product Cetol WF 771-Ipe colour is recommended.
- ★ Make sure the deck is clean and dry enough before coating with oil
- ★ Use of SIKKENS WV 840 is recommended to remove the grey colour. If the deck is not grey but just lightly weathered, it is sufficient to just clean with soap and brush. After drying, again apply the SIKKENS Cetol WF771 saturator oil.



No. : SHIN170702106CCM Date : Aug. 23, 2017 Page: 1 of 3

Test Required : Antimicrobial activity test

Test organisms:

Aspergillus brasiliensis A ATCC 9642, Penicillium funiculosum B ATCC 11797, Aureobasidium pullulans ATCC 15233, Chaetomium globosum ATCC 6205, Trichoderma virens C ATCC 9645

Test result(s):

Test Fungi	Concentration of spores (spores /mL)	Rating observed growth on specimens (after 28 days)
Aspergillus brasiliensis ^A ATCC 9642	1.0X10 ⁶	Grade 0*
Penicillium funiculosum ^B ATCC 11797		
Aureobasidium pullulans ATCC 15233		
Chaetomium globosum ATCC 6205		
Trichoderma virens ^C ATCC 9645		



No. SHAHG1808496701 Date: 14 May 2018. Page 1 of 3.

Text Required: Formaldehyde Emission.

Test Method : With reference to EN 717-1:2004, analysis was performed by UV-Vis..

Test Item(s)	Unit.	MDL	001.
Formaldehyde Emission (In air)	mg/m ³	0.080	ND

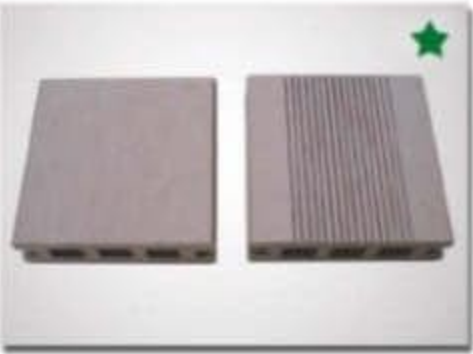
Notes :

(1) mg/m³ = milligramme per cubic meter

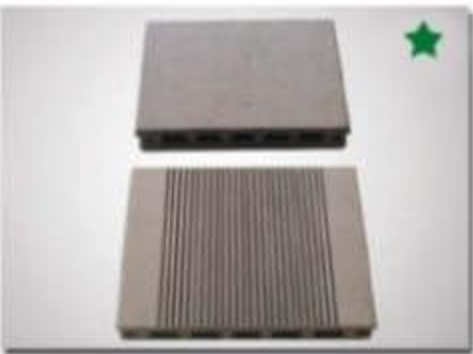
(2) Reference Limit: EN13986:2004(E)

Formaldehyde class E1: ≤0.124 mg/m³ air

Custom Made Products



Deck (Hollow with Slot)
Model: D100x25A
Dimension (mm): 100 x 25



Deck (Hollow with Slot)
Model: D140x25C
Dimension (mm): 140 x 25



Deck (Hollow)
Model: L100x21
Dimension (mm): 100 x 21



Deck (Hollow with Slot)
Model: DS242x040H
Dimension (mm): 242 x 40



Louver (Hollow)
Model: DK102x054A
Dimension (mm): 102 x 54



Louver (Hollow)
Model: DK150x050A
Dimension (mm): 150 x 50



Post (Hollow)
Model: PT220x120A
Dimension (mm): 220 x 120



Wall Panel (Hollow with Slot)
Model: L156x16
Dimension (mm): 156 x 16



Model: OL170x047H
Dimension (mm): 170 x 47

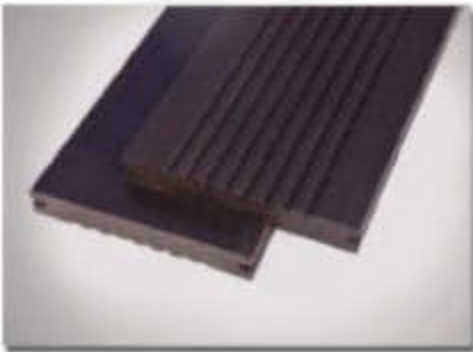


Deck (Solid)
Model: DK200x25H
Dimension (mm): 200 x 25

FSC Bamboo Outdoor Wood



Deck(Solid)
Model: BCP-1818-01
Size:1860(L)x139(W)x18(TK)
Finish: Oil Treat



Deck(Solid)
Model: BDS-1820-01
Size:1860(L)x139(W)x20(TK)
Finish: Oil Treat

Remarks: Above items with ★ are for overseas market only, not for Hong Kong.



HS-DW13720



Bamboo Ultra Decking,BIG-WAVE STYLE,Water base oiled

Size: 1850*137*20(mm)



Bamboo is a natural product and can therefore vary in colour and structure

HS-GH6530



Size: 1850*65*30(mm)



Bamboo is a natural product and can therefore vary in colour and structure

BUREAU VERITAS
Certification



CERTIFICATE

Number: BV-COC- 126346

Issued: July 31st, 2015
Valid until: July 30th, 2020

Bureau Veritas Certification certifies that the company:

has implemented a FSC product groups control system according to the Forest Stewardship Council certification system, in the following location:

D10\D11\D13. "BAMBOO SERIES TOWN OF CHINA" JIANOU CITY,
FUJIAN PROVINCE, CHINA
353100-JIANOU-CHINA

for its activities concerning:

Manufacture of multilayer engineered flooring and bamboo compound floor Certified FSC 100% and FSC Mix; Manufacture of Strand woven bamboo flooring Certified FSC 100%.*

* Updated list of products & species on the FSC database (www.info.fsc.org)

This company has been assessed and found to conform to the requirements of the:

FSC Chain of Custody standard, Ref.: FSC-STD-40-004, v. 2.1

This certificate is valid for a 5 years period.

July 31st, 2015

Bureau Veritas China Certification Director

Hubert DE BONAFOS DE BELINAY

The validity of this certificate shall be verified on: www.info.fsc.org

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified or FSC Controlled Wood. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

Accredited office: Bureau Veritas Certification Holding, 67/71 Boulevard du Château, 92200 Neuilly sur Seine, France: www.bureauveritas.com
FSCTM accredited certification body Accreditation Code: FSC-ACC-020

Certification decision office: Bureau Veritas Certification China, F22, Tower B, Beijing Global Trade Center, 36 North, Third Ring Road East, Dongcheng District, Beijing 100013, China

Management office: Bureau Veritas Certification China

A list of the products or services that are included in the scope of the certificate may be obtained on request to Bureau Veritas Certification.

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The mark of
responsible forestry

