

















Cladding Soffit dasso Brand ----- 04 Lumber & Panel ···· Decking Fused Bamboo

14

80

24

20

18

16

CONTENT



dasso group, founded in 1993, is the global leader and innovator of the bamboo industry. With over 27 years' history of manufacturing bamboo, dasso now have 8 manufacturing facilities and over 1000 employees, in addition to owning over 2,700 acres of productive, sustainable bamboo forest in China.

dasso has the most advanced crafts, technology and automated manufacturing equipments; we gathered some of the most talented people to develop the most perfect management system for production and quality control, which enable dasso to provide the bamboo products with superior quality and become the most powerful integrated solution provider for bamboo products. dasso offers dassoFLORING, dassoELEMENTS, dassoXTR®, dassoCTECH® as regular product range.

In addition to conventional products, dasso group cooperates with design institutes and developers in order to provide customized products, such as: the bamboo fire-resistant ceiling of Madrid International Airport; Bamboo acoustic material of Wuxi Grand Theater; special bamboo elements in Culture and Art Center of Fuzhou Strait ... until now, we have completed more than 1,000 projects in more than 40 countries all over the world.





Hangzhou Dasuo Technology Co.,Ltd

Multi-purpose production facility produces 2 million m² per year.



Fujian Dasso Industry Co., Ltd

It will be in production by February 2020, with an annual production (dassoXTR & dassoCTECH) capacity of 2 million m^2 ,with additional facilities for further expansion.



Jiangxi Zhushang Bamboo Industrial Co..Ltd

dassoXTR production facility produces 1 million m² per year.



Zhejiang Xinhaiye Bamboo Technology Co.,Ltd

dassoXTR production facility produces 500,000 m² per



Hangzhou Zhuangyi Funiture Co.,Ltd

Furnishing Plant 400 x 40 FCL container per year.



Zhejiang Daocheng Bamboo Industry Co., Ltd

An overseas sales team of dasso bamboo products, whose business is around the world with more than 50 staffs.



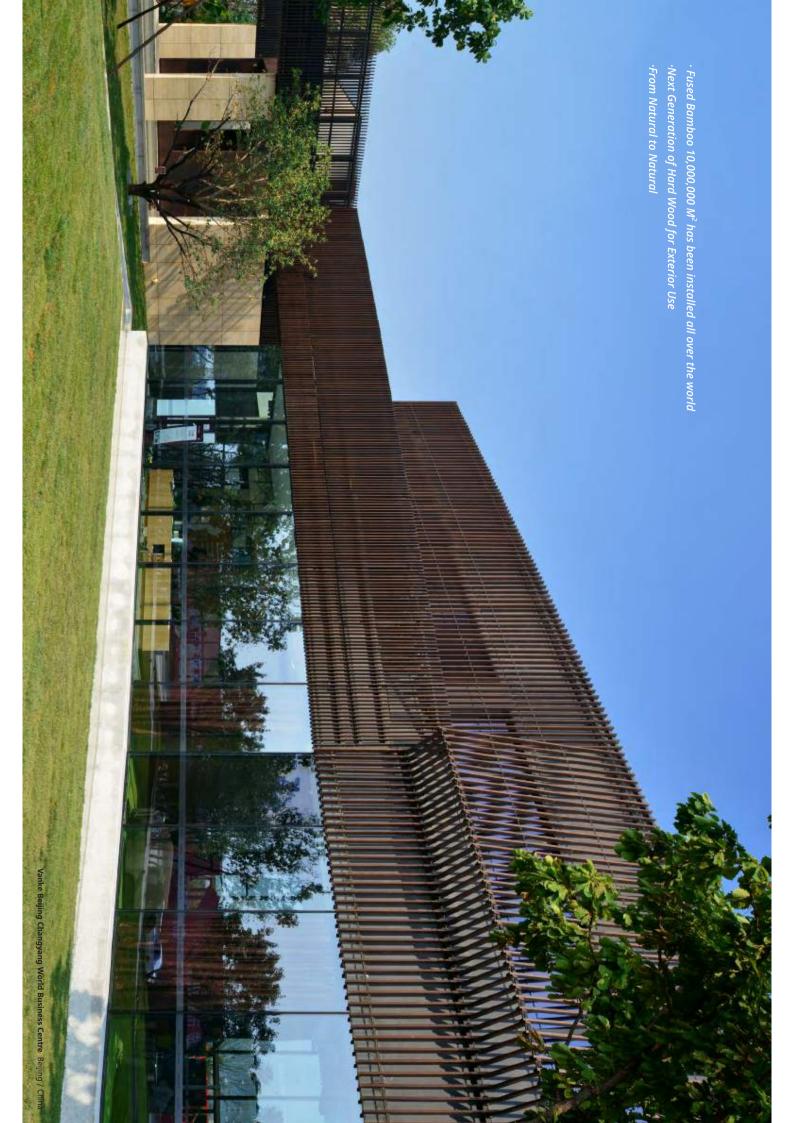
Zhujia Gallery

Integrated design, development, sales and promotion of green bamboo, original design of bamboo crafts.



Shunchang Zhujia Bamboo Industrial Co.,Ltd

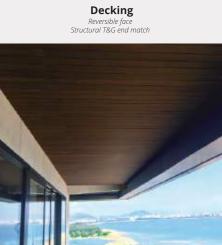
Multi-purpose production facility produces 200,000 m² per year.



Fused Bamboo for Exterior Use

Through its patented "heat treatment" technology, dasso processes fused bamboo into dassoXTR for exterior use in classic "Espresso" color; With the application of Ceramix Technology, dassoCTECH exterior materials have wonderful performance outdoor while retaining the original color - Cognac. Both dassoXTR and dassoCTECH can be processed into decking, cladding, soffit, fence, lumber and panel, which are widely used in commercial and residential projects.





Soffit Easy hidden fastener system Structural T&G end match



Simple, easy hidden fastener system Modular T&G end match installation



Lumber and Panels Wide range of usage Flexible for customized production



Technology Principle

dassoXTR



dassoXTR patented fusion process extracts the sugars and starches from the bamboo fibers and replaces it with phenolic starches. Then the impregnated fibers are compressed to create a very hard, dense and durable Fused Bamboo® that prevents bacteria, fungus and other micro-organisms from attacking dassoXTR.

dasso CTECH



dassoCTECH is crystalized the fibers with Ceramix® particles, impregnated it with phenolic resin(the same resin found in bowling balls), then compressed to form Fused Bamboo. Because Fused Bamboo is now fully impregnated with Ceramix® particles that crystalizes the nutrients from attracting bacteria, fungus, molds or insects, the fibers does not rot under exposed environments.

Fused Bamboo vs Other Exterior Materials

Competitive Material	dassoCTECH	dassoXTR	lpe	Balau(Bangkirai)	Teak	Meranti Batu	Teak Meranti Batu Western Red Cedar
Density(kg/m3)	1,200	1,100	1,060	850	655	480	340
Stiffness MOE(MPa)	16,700	14,490	22,070	16,950	11,280	11,390	7,660
Janka Hardness(N)	17,659	16,992	15,620	7,120	4,740	2,460	1,560
Durabitity(Class)	1	1	1-2	2	1-3	3-4	2

The Feature of Fused Bamboo



Environment Friendly

Ready for harvest after 4-6 years [compared to up to 100 years for hardwood species]-no deforestation

[DIN EN ISO 846: 1997-10] [DIN EN 152: 2011]

Class A:ASTM E84 Bf1-s1:EN13501-1 BAL 29:AS 1530.8.1-2007 Fire Resistance

Mould Resistance



Hard & Durable

Brinell > 9.5Kg/mm2 [EN1534], harder than any other hardwood. Durability: Class 1 [CEN/TS 15083-1: 2005][EN 350: 2016]

[EN 117] Class 1:AS 5604 (2005)

Reticulitermes santonensis DC D(durable) Termite Resistance

10

Warranty

Applicable Residential and Commercial Warranty

The Process of Fused Bamboo





Decking



Cladding



Soffit



Lumber & Panel

Malaysia PI2010004676

China ZL200810093764.4

Australia 2008355033.0

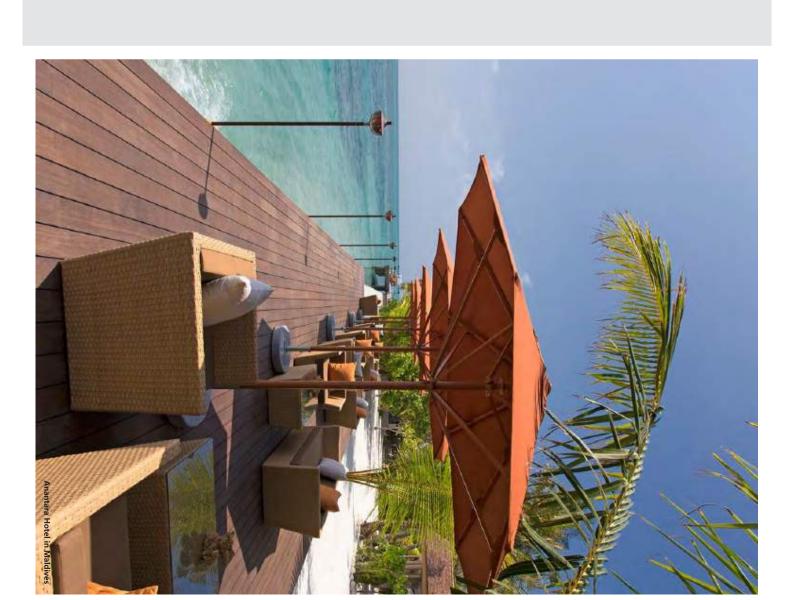
Technology Patented

dasso is the owner of fused bamboo processing technology and patent, and has been protected by technology patent in many countries.

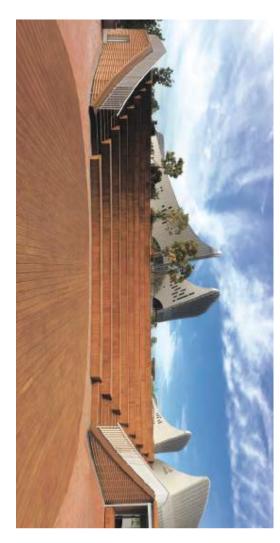








DECKING









Feature



End Matched Fire Resistance















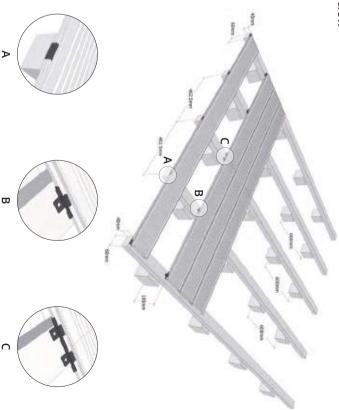
Mould Resistance

Specification

dassoXTR Decking	dassoCTECH Decking	Size (mm)	dassoXTR Decking	dassoCTECH Decking	Size (mm)
XD20-SG2-5TG-PSR	ED20-SG2-5TG-PSR T20 * W137 * L1850	T20 * W137 * L1850	XD20-MG2-5TG-PSR ED20-MG2-5TG-PSR T20 * W155 * L1850	ED20-MG2	-5TG-PSR
XD20-SG1-5TG-PSR	XD20-S61-5T6-PSR ED20-S61-5T6-PSR T20 * W137 * L1850	T20 * W137 * L1850	XD20-WG2-5TG-PSR ED20-WG2-5TG-PSR T20 * W178 * L1850	ED20-WG	2-5TG-PSR
XD20-SG2-5TG-PSV	ED20-SG2-5TG-PSV T20 * W137 * L1850	T20 * W137 * L1850	XD40-SG0-5TG-PSV ED40-SG0-5TG-PSR T20 * W137 * L1850	ED40-SG	0-5TG-PSR
XD20-SG1-5TG-PSV	XD20-SG1-5TG-PSV ED20-SG1-5TG-PSV T20 * W137 * L1850	T20 * W137 * L1850			

14

Installation



Option1: Clip Installation

Step 1. Determine the surface side of the boards (reeded or flat

sequence. Step 2. Use fasteners or other suitable fasteners in the following

fasteners, 1 for every board. the tongue and groove are connected on the sub beam use 2 depending on the type or board 137/155/178mm wide. When Step 5. Use approx. 20/17/14 fasteners per m2, this is Step 4. Tighten the screw in the fastener and the sub beam. Step 3. Press fastener in the groove of one decking board.

Step 6. Only use the included stainless steel decking screws

(4.5x30mm).

Option2: Screw down installation

Step 1. Determine the surface side of the boards (reeded or flat Pre-drill the screw holes 20mm from the side of the board. Be

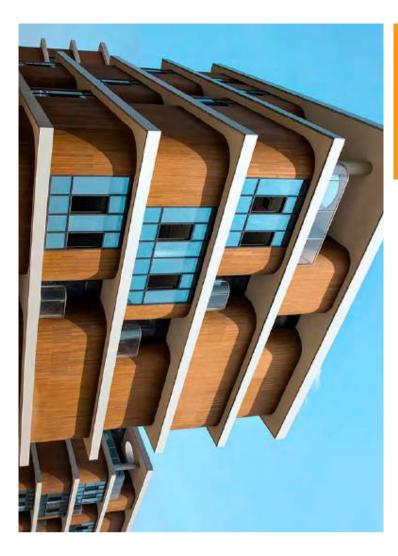
sure to pre-drill with a large enough drill to avoid cracking of

Step 2. Always screw both sides (left and right) of the board. the decking. Step 3. Use stainless steel decking screws (5x50mm).

Installation Accessories

	Clips		
S-Clips (DC-06)	B-Clips (DC-04)	I-Clips (DC-02)	Clips Code
28x25x12	40x15x10	28x25x12	Size
	4	A.	Photos
	Screw		
DS-04	DS-02	DS-01	Screw Code
M6x29	M6x24.5	M6x30	Size
1	1	1	Photos

CLADDING



dassoXTR

dassoCTECH









Feature







Match Installation

SHIPLAP

SHIPLAP

Termite R

Termite Resistance

(3) Hard & Durable

Mould Resistance

Specification

dassoXTR

Cladding	dassoCTECH Cladding	Size (mm)	dassoXTR Cladding
5TG-PSS	ES18-MSL-5TG-PSS	T18 * W137 * L1860	XS12-100-6FT-PSS
-5TG-PSS	-5TG-PSS ES18-WSL-5TG-PSS T18 * W178 * L1860	T18 * W178 * L1860	

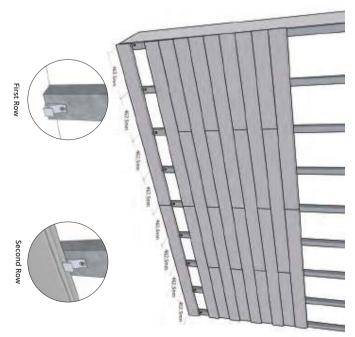
dassoCTECH Cladding ES12-100-6FT-PSS

T12 * W100 * L1860 Size (mm)

16

XS18-WSL-XS18-MSL-

Installation



Step 1.Levelling first row of fasteners.
- Start with the lowest row of fasteners and make sure they are placed fully level (using a spirit level).

lower edge behind the tabs on the fasterers. -Holding the first boards level, slide the lip of the groove on the Step 2. Install first row of boards.W

be done carefully, preferably with a rubber mallet. batten/ beam, using 2 fasteners. -We advise always fixing the end (end joints) of the boards on a groove so that the boards lay level. Tapping the boards should -Make sure that the fasteners engage deeply enough in the

Step 3. Second row of fasteners -Install the second row of fasteners, pushing them down on the top edge of the first row of boards.

Step 4. Install second row of boards.

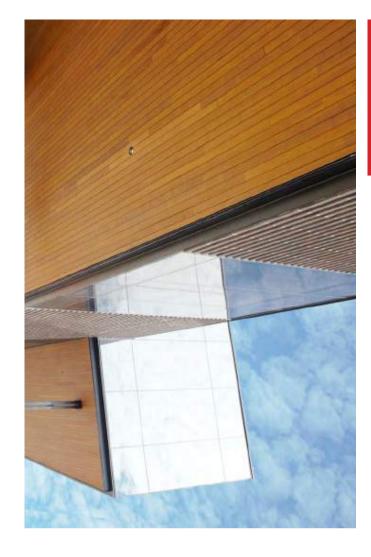
Step 5. Continue with the rest.

is kept on the edge. level and make sure enough ventilation space (5-10 mm) cover the full surface. Make sure you keep the fasteners -Continue to install the cladding boards in this way to

Installation Accessories

	Clips	
Clip (CC-12)	Clip (CC-18)	Clips Code
40.5x24.5x8	42.5x19x15	Size
26		Photos
	Screw	
DS-01	CS-01	Screw Code
05x9W	M11x30	Size
	1	Photos

SOFFIT



dassoXTR





dassoXTR & dassoCTECH Soffit, Deck Skirting and Wainscoting are Pre-primed and specifically designed for interior and exterior use with no leaching and zero VOC. All Fused Bamboo are bft rated, dassoCTECH soffit, deck skirting and wainscoting are ideal for creating an elegance lasting beauty environment.

Feature

















Match Installation
Stable & Precise

SHIPLAP

Termite R Termite Resistance

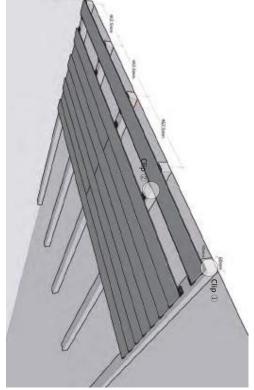
Hard & Durable
Mould Resistance

Specification

18

XS012-100-5TG-PSS	dassoXTR Soffit
ES012-100-5TG-PSS	dassoCTECH Soffit
T12 * W100 * L1850	Size (mm)

Installation







Step 1: Make sure the soffit is the surface. Use the soffit dip. **Step 2:** Use the starter dip 1 for the first board, Use 1 screw per starter dip.

clips, use 2 screws per field clip for soffit. Step 3: Use the soffit clip ② to install the following soffit boards, screw down the nail to contact the joint and

Step 5: Use approx. 16 fasteners per m2, each joint should use the clips.

Step 6: For applications exposed to salt air, near large bodies of water, swimming pools or other areas where corrosion is more likely to occur, always use Grade 316 stainless steel screws.

Installation Accessories

	Clips	
Clip SOF-2	Clip SOF-1	Clips Code
32x25x11.5	32x32x10.6	Size
•	4	Photos
	Screw	
00-0-	Screw Code	
MOXYO	Size	
4	!	Photos

LUMBER&PANEL&FENCE





dassoCTECH









dassoXTR & dassoCTECH Lumbers and Panels are to be considered like unfinished lumber; it is SZS+REZ isides need to be planed). The material is not preprimed so the user can finish it as they choose. Both lumbers and panels come oversized to trim in two different thickness: 20mm and 40mm. dassoXTR & dassoCTECH bamboo panels are ideal for creating outdoor furnishings for years of lasting beauty.

dassoXTR & dassoCTECH Fence is Pre-primed and specifically designed for gallery frame, Pergola barrier, outdoor furnishings, signs and so on.

Feature





Fire Resistance

Wide range of usage





Termite Resistance

Stable & Precise

Stable & Precise

Flexible for customized production



XF30 -100-6FT-PSS	XF30 -65-6FT-PSS	XP 40 - 625 - 6 FT - UAC	XP20 -625-6 FT-UAC	XL40 -152-6FT-UAC	XL20-205-6 FT-UAC	XTR Lumber
EF30-100-6FT-PSS	EF30-65-6FT-PSS	/	1	EL40-152-6FT-PAC	EL20-205-6FT-PAC	CTECH Lumber
T30 * W100 * L1860	T30 * W65 * L1860	T40 * W625 * L1860	T20 * W625 * L1860	T40 * W152 * L1860	T20 * W205 * L1860	Size (mm)

20







Color Fading & Maintenance

have a dark brown color and the CTECH in Cognac, both will lighten up over several weeks or months. The board's color without regular Fused Bamboo (dassoXTR and dassoCTECH) are natural product, it appearance may vary in grains and colors. When exposed under the natural Maintenance Instruction is available on dassoGroup.com should be done with an exterior penetrating oil. Stains could be added to the penetrating oil to achieve a desired color of the finish product. maintenance will eventually grey out to a nice silver patina just like any hardwood exposed to sunlight. If a brown color is preferred, maintenance sunlight over time, the appearance and color may change depending on the extent of UV light exposed to the material. The XTR boards originally



Normal Phenomena

Checks and cracks on the surface and on the ends of the boards can arise from the different drying characteristics of the surface and cross-cut ends. This does not affect the structurer soundness of the boards.

Project Reference - Tourism College of Zhejiang (Qiandao Lake Campus)





22

WARRANTY

time, as long as it has been installed and maintained according to our guidelines. defects in workmanship and warrant that the material will not suffer structural damage due to rot, decay, or termites for that period of dassoXTR and dassoCTECH offers a 25 years (residential application)/ 10 years (commercial application) limited warranty against material

SCOPE

- maintenance schedule. Color change can not be a reason to make a claim. · The outdoor board is a natural forest product, which varies in color, grain and appearance. Color changes over time depending on the
- normal residential unusual, circumstances. · This warranty does not cover damage caused by misuse, accidents, insect infestation, force majeure and damage caused by other, in
- mechanical or chemical damage are also excluded from this warranty. wear of the surface coating. Damage resulting from improper installation, maintenance, cleaning or maintenance of the surface coating, · Also not covered are purely visual impairments such as imprints, joints, discoloration by light, seasonal climate-related deformation or
- · This warranty statement supersedes all previous statements; the granting of the manufacturer's warranty applies only to the current
- This phenomenon is normal for most wood species and can not be a reason to make a claim · Cracks on the surface and on the end of the boards can arise from the different drying characteristics of the surface and cross cut ends.
- and wet climate periods. This phenomenon is normal for most wood species and can not be a reason to make a claim · The surface sides of the boards will get rougher and will splinter over time as a result of constant shrink and swell of the boards due to dry
- be a reason to make a claim. Dimensional change or cupping of the boards can occur after installation. This phenomenon is normal for most wood species and can not
- The guarantee extends to A-grade products only.
- The guarantee applies only to the original purchaser

Warranty Conditions

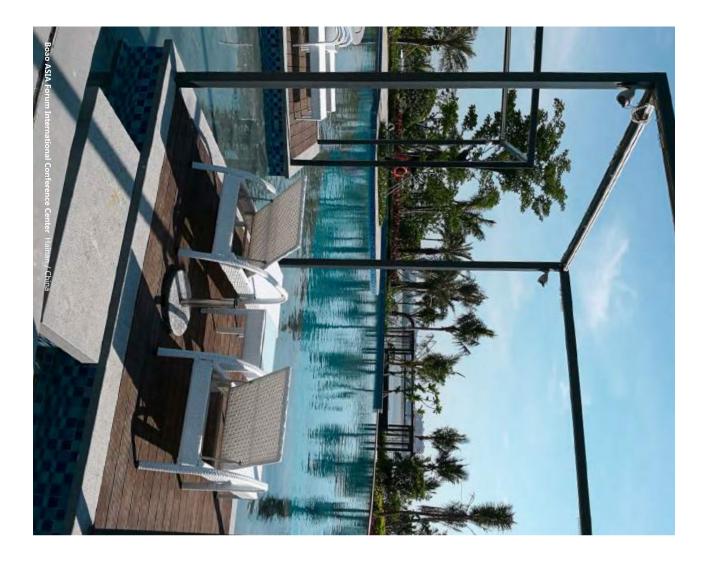
instructions carefully, before installing the floor. No claims can be accepted in case of improper installation! To be able to make use of the warranty the decking must be installed according to the installation instructions. Please read our installation

- · This warranty applies in addition to the normal legal rights of the buyer, including the rights of the buyer against the seller
- material if the buyer could have detected the defects before installation. This warranty does not cover damage that was caused by Third · If a claim is granted before installing the material, faulty planks are replaced free of charge. No claims can be accepted after installing the
- defective produc is no longer in the product range, an equivalent from the current range will be supplied. · If defects occur after installation, dasso reserves the right to either repair the defect or to offer material free of charge to the buyer. If the
- A claim does not lead to an extension of the warranty period
- · The cost for the replacement of material and other charges are not included in the warranty

Settlement of the guarantee

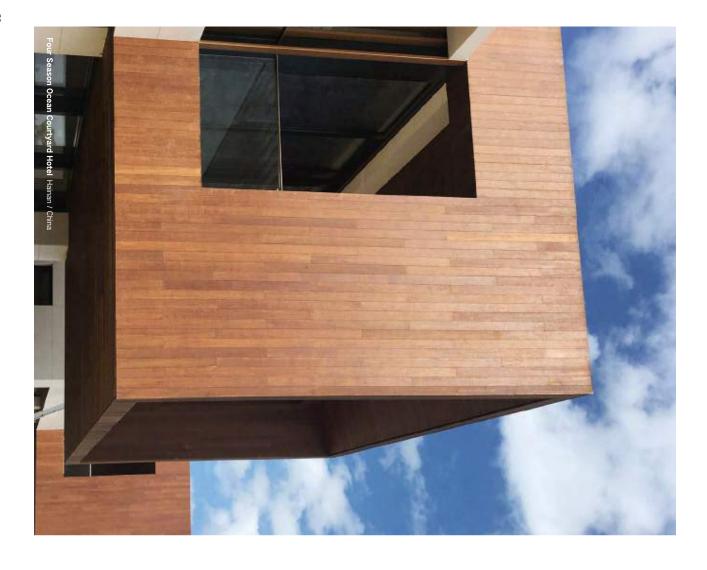
The claim must be made in writing, within 30 days, to the dasso dealer/seller, a dasso subsidiary or directly to dasso headquarter.

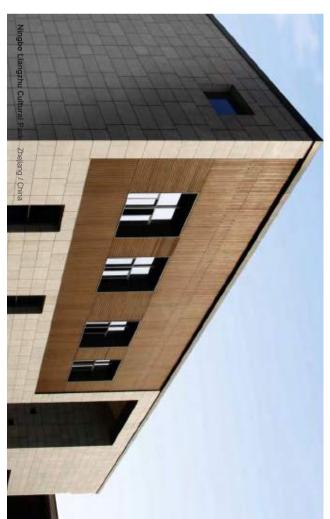
Dasso reserves the right to check the claimed damage.





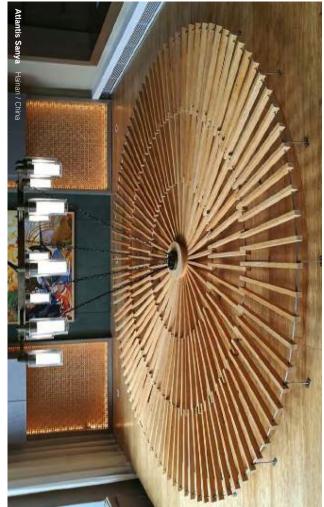


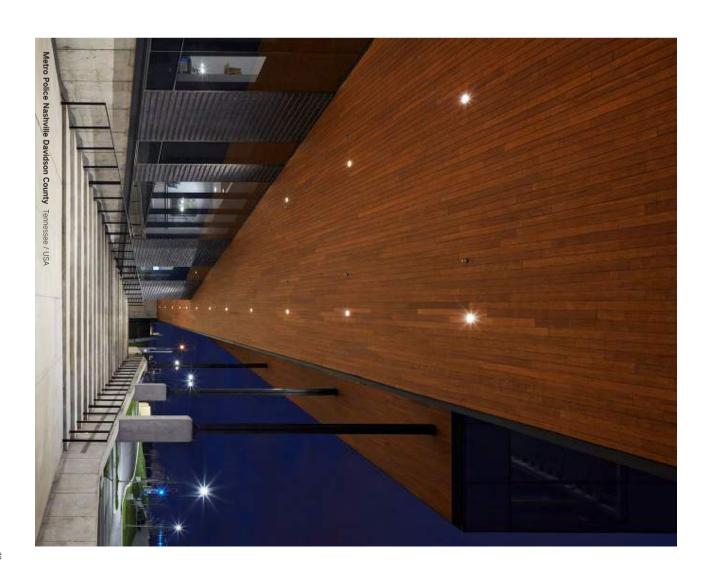


















HongKong-Zhuhai-Macao Bridge

Private Villa in Morocco



































Embassy of Switzerland in China

Wuxi Yangshan Geological Museum

Tourism College of Zhejiang (Qiandao Lake Campus)

Metro Police Nashville Davidson County

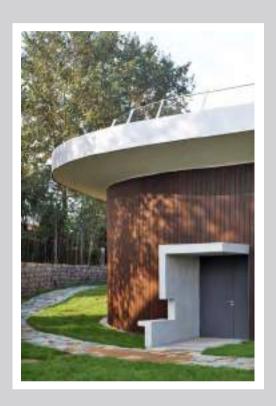
Tianjin Eco City-Jinlu

Jiezi Ancient Town Meiyi Square

Atlantis Sanya

Park in Taiwan







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