



**10-Years**  
Limited Warranty

**Over 9,000,000 M2  
Installed Worldwide**



**Fire Resistance Class Bfl-s1**

**Hong Kong-Zhuhai-Macao Bridge**





The dasso Group, based in Hangzhou, China, has been the world's leader in innovative bamboo products for more than 25 years. With 8 manufacturing facilities, over 1000 employees, a Design and Research Center, and over 40 patents to date, dasso's mission is to advance the innovative use of bamboo throughout the world.





*Global Innovator of Bamboo Products*

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● Fuzhou Straits Cultural Art Center



# INTRODUCTION

## Introduction

Since 2008, dasso as the first bamboo leader innovates and introduces dassoXTR to the market and owns the patent globally including China, USA, Europe, Australia, Singapore, Malaysia etc. Since 2017, new parallel series of exterior bamboo products named dassoCTECH comes out. Both are extremely durable bamboo products designed specially for exterior applications which can be used as bamboo decking, cladding, soffit, lumber and panels, etc in residential and commercial project stably and environmentally. dassoXTR and dassoCTECH rival the natural beauty of exotic hardwood but its color range consistent, source and quality are predictable.



● Hainan Atlantis Hotel





## Decking

Reversible face  
Structural T&G end match



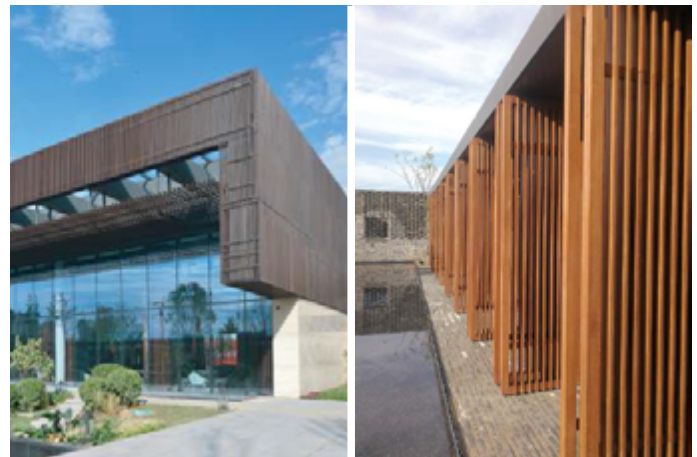
## Cladding

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



## Soffit

Easy hidden fastener system  
Structural T&G end match



## Lumber and Panels

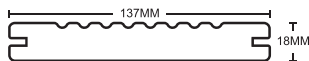
Wide range of usage  
Flexible for customized production

# INTRODUCTION

## Decking



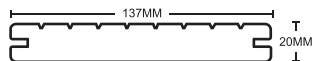
**dassoXTR** Reeded ( oiled )



• XD18-SG2-5TG-PSR



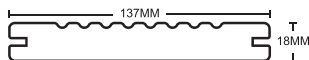
**dassoXTR** V-groove ( unfinished )



• XD20-SG2-5TG-USV



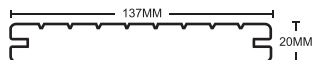
**dassoCTECH** Reeded



• ED18-SG2-5TG-PSR



**dassoCTECH** V-groove



• ED20-SG2-5TG-PSV



**dassoCTECH**

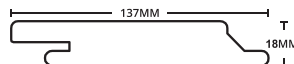


T&G

## Cladding



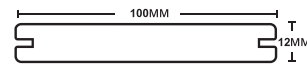
**dassoCTECH**



• ES18-MSL-5TG-PSS



**dassoXTR**

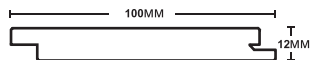


• XS12-100-6FT-PSS

## Soffit



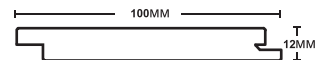
**dassoCTECH**



• ES12-100-5TG-PSS



**dassoXTR**

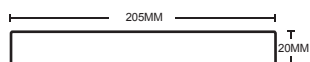


• XS12-100-5TG-PSS

## Lumber & Panels



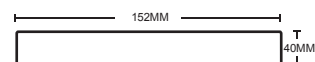
**dassoCTECH**



• EL20-205-6FT-UAC







**dassoXTR**



• XL40-152-6FT-UAC







## dassoXTR

DESCRIPTION	SURFACE	ITEM NUMBER	SPECIFICATION	FEATURE	PRIMED WITH		
Decking	Reeded/Flat	XD20-SG2-5TG-PSR	1850x137x20mm	 T&G	 WOCA Oil		
		XD18-SG2-5TG-PSR	1850x137x18mm				
	V-groove/Flat	XD20-SG2-5TG-PSV	1850x137x20mm				
		XD18-SG2-5TG-PSV	1850x137x18mm				
Cladding	Flat	XS18-MSL-5TG-PSS	1850x137x18mm	 T&G	 WOCA Oil		
		XS12-100-6FT-PSS	1860x100x12mm				
Soffit		XSO12-100-5TG-PSS	1850x100x12mm				
Lumber		XL20-205-6FT-UAC	1860X205X20mm			Ripped 2 Edges, S2S	Unfinished
			XL40-152-6FT-UAC				
Panels		XP20-625-6FT-UAC	1860X625X20mm				
		XP40-625-6FT-UAC	1860X625X40mm				

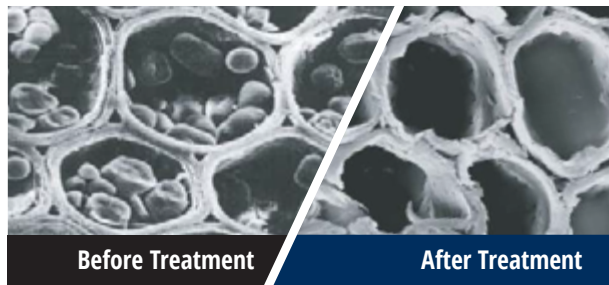
※ Special specifications are also available: Fence.Porch Flooring.Handrails

## dassoCTECH

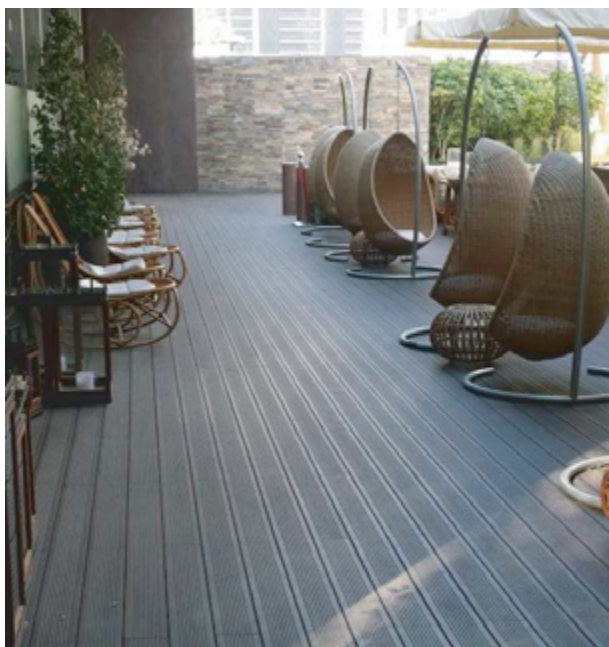
DESCRIPTION	SURFACE	ITEM NUMBER	SPECIFICATION	FEATURE	PRIMED WITH		
Decking	Reeded/Flat	ED20-SG2-5TG-PSR	1850x137x20mm	 T&G	 WOCA Oil		
		ED18-SG2-5TG-PSR	1850x137x18mm				
	V-groove/Flat	ED20-SG2-5TG-PSV	1850x137x20mm				
		ED18-SG2-5TG-PSV	1850x137x18mm				
Cladding	Flat	ES18-MSL-5TG-PSS	1850x137x18mm	 T&G	 WOCA Oil		
Soffit		ES12-100-6FT-PSS	1860x100x12mm				
		ESO12-100-5TG-PSS	1850x100x12mm				
Lumber		EL20-205-6FT-UAC	1860X205X20mm			Ripped 2 Edges, S2S	Unfinished
		Panels	EL40-152-6FT-UAC				
EP20-625-6FT-UAC			1860X625X20mm				
			EP40-625-6FT-UAC			1860X625X40mm	

※ Special specifications are also available: Fence.Porch Flooring.Handrails

## dassoXTR

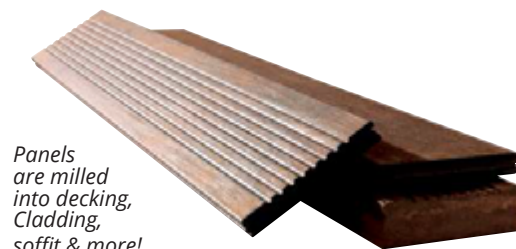


dassoXTR patented fusion process extracts the sugars and starches from the bamboo fibers and replaces it with phenolic resins. Then the impregnated fibers are compressed to create a very hard, dense and durable Fused Bamboo® that prevents bacteria, fungus and other micro-organisms from attacking dassoXTR.



Toko Restaurant, Dubai

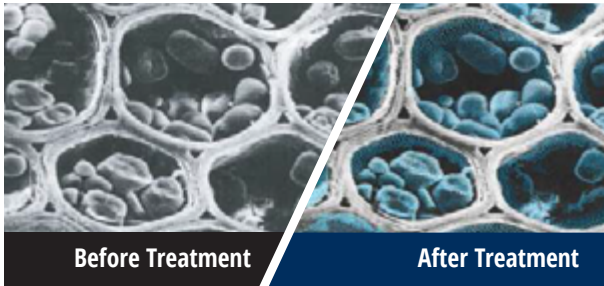
## Fused Bamboo® Process



Panels are milled into decking, Cladding, soffit & more!



## dassoCTECH



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.



Zhaoyuan Jinqun River, Shandong

## CeramiX® Bamboo Process



## Performance Comparison

Competitive Material	dassoCTECH	dassoXTR	Ipe	Balau(Bangkirai)	Teak	Meranti Batu	Western Red Cedar
Density(kg/m³)	1,200	1,100	1,060	850	655	480	370
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
Durability(Class)	1	1	1-2	2	1-3	3-4	2



### Environment Friendly

**dassoXTR**

**dassoCTECH**

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



### Mould Resistance

**dassoCTECH**

Class 0

[DIN EN ISO 846: 1997-10]

[DIN EN 152: 2011]



### Fire Resistance

**dassoXTR**

Class A: ASTM E84

Class A: CAN/ULC S107-10

Bfl-s1: EN13501-1

**dassoCTECH**

Bfl-s1: EN13501-1

BAL 29: AS 1530.8.1-2007



### Termite Resistance

**dassoXTR**

Termite Resistance Level: Class 8  
[AWPA-2012, AWPA E1-09]

**dassoCTECH**

Reticulitermes santonensis  
DC D(durable)

[EN 117]

Class 1: AS 5604 (2005)



### Hard & Durable

**dassoXTR**

Brinell > 9.5Kg/mm2 [EN1534], harder  
than any other hardwood.

Durability: Class 1 [EN350], tested  
according to ENV 807

**dassoCTECH**

Durability: Class 1

[CEN/TS 15083-1: 2005][EN 350: 2016]

Durability: Class 1

[CEN/TS 15083-2: 2005][EN 350: 2016]



### Warranty

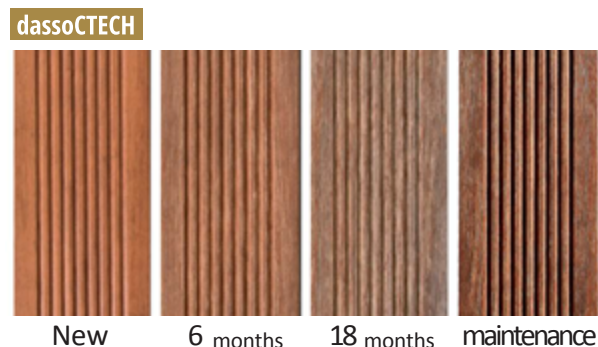
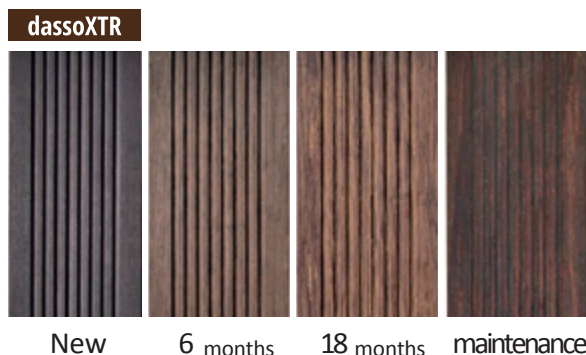
**dassoXTR**

**dassoCTECH**

Applicable Residential and  
Commercial Warranty



# User Information



## Appearance and color

dassoXTR and dassoCTECH are natural product, which can vary in color, grain and appearance. Color will change over time depending on the maintenance schedule. The boards have a brown to dark brown color when installed, which turns into a lighter caramel color several weeks after installation. Without further maintenance the color gets greyish relatively fast (similar to most other wood species). If a brown color is preferred, maintenance should be done with exclusive exterior oil teak color or a comparable water based oil/saturator with teak pigments (for the unfinished version).

dassoXTR and dassoCTECH shows similarity to other hardwoods in grain and structure. The characteristic bamboo nodes however can still be recognized and gives the product a special and lively look.

## Normal phenomena

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. This does not affect the stability of the board. The surface sides of the boards will get rougher over time and will form (small) splinters as a result of continuous water absorption and desorption due to dry and wet climate periods. Dimensional change or cupping of the boards can occur after installation. These phenomena are normal for most hardwood species and dasso's.

The surface of decking is weathered under influence of wind, rain, frost and sunshine(uv).As a result, the surface turns grey, dirty and cracks/splinters will appear. So it is very important to use the outdoor decking oil to brush it then let it recover.

## Swimming pool

If dassoXTR or dassoCTECH is to be used around swimming pool areas, the following has to be taken into account: dassoXTR or dassoCTECH is a natural (wood like) product and can therefore not be referred to as a "bare foot" product. As with any wooden product used outdoors, there is always a risk of formation of splinters, however splinters from dassoXTR or dassoCTECH are normally smaller than (tropical) hard wood splinters. A regular maintenance with oil (more frequently necessary around swimming pools) is required to reduce the formation of splinters. Furthermore, regular maintenance with the silicium carbid broom or -disk is required to effectively remove splinters and smoothen the surface.

# WARRANTY

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

## Scope

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

## Warranty Conditions

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

- This warranty applies in addition to the normal legal rights of the buyer, including the rights of the buyer against the seller.
- If a claim is granted before installing the material, faulty planks are replaced free of charge. No claims can be accepted after installing the material if the buyer could have detected the defects before installation. This warranty does not cover damage that was caused by Third parties (eg transport damage).
- 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 defective product is no longer in the product range, an equivalent from the current range will be supplied.
- 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.

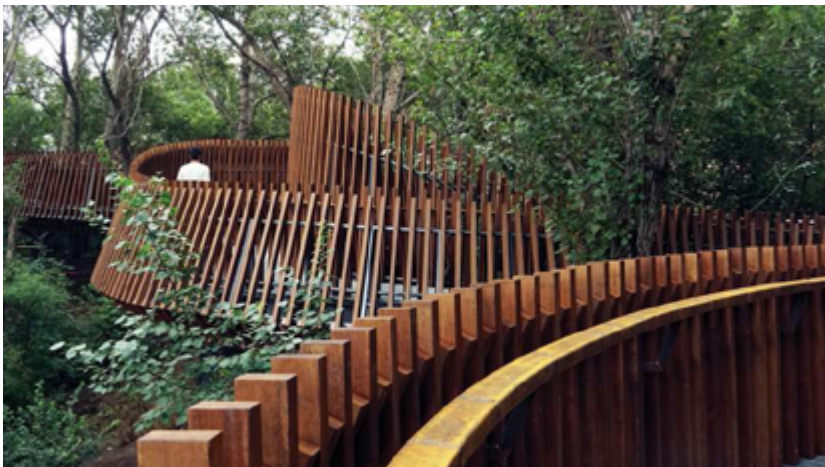
Dasso reserves the right to check the claimed damage.







# PROJECT



● Changchun Culture Of Water Ecology Park

Time: 2018 Quantity: 12000m<sup>2</sup>



● Nanjing Youth Olympic Games Park      Time: 2014    Quantity: 30000m<sup>2</sup>





Paramount Utropolis,  
Penang









Malaysia Anatara Desaru  
Time: 2019 Quantity: 5200m<sup>2</sup>





Kuching City, Malaysia  
Time: 2018



Sawarak, Malaysia  
Time: 2019



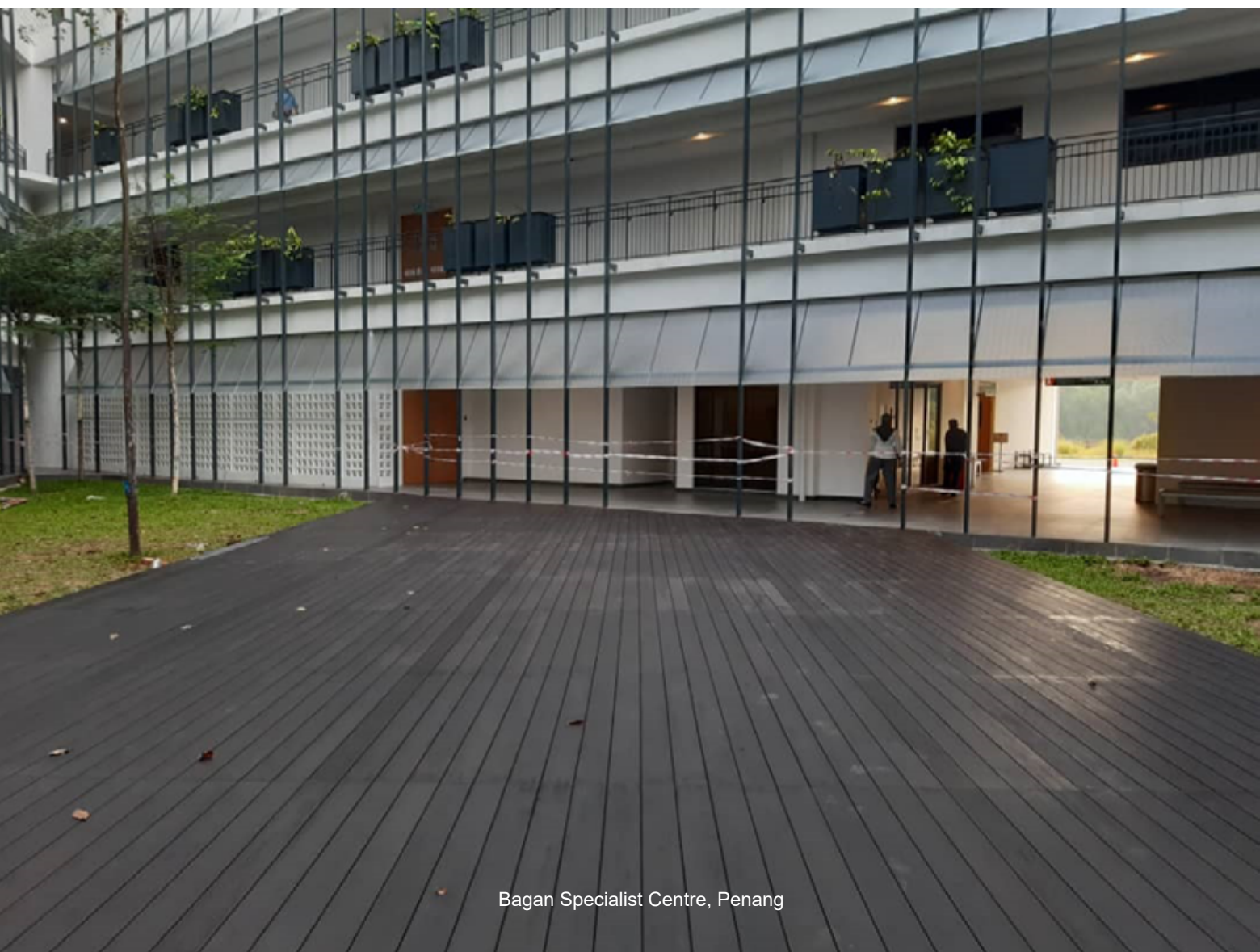
Metro Nashville Police Administrative Headquarters - LEED SILVER  
Time: 2018 Quantity: 2136 m<sup>2</sup>





Vanke Headquarter - LEED PLATINUM  
Time: 2009    Quantity: 17000 m<sup>2</sup>





Bagan Specialist Centre, Penang









● Private Villa, Malaysia



● Changchun Vanke Town, Jilin



● Brisbane Fortitude Valley, Australia



● Lahore Private Villas, Pakistan



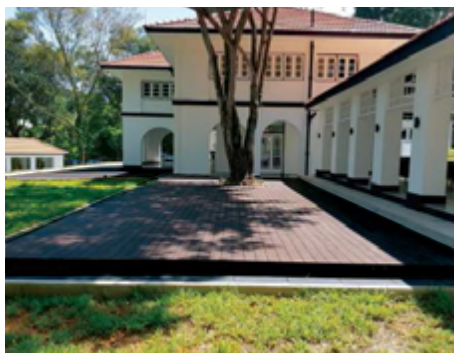
● Bijie Tongxin Square, Guizhou



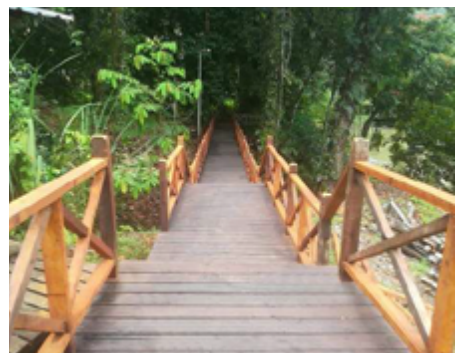
● Koosen Tera, Japan



● Wharton St Lofts, America



● Private villa, Singapore



● Sawarak Forestry, Malaysia

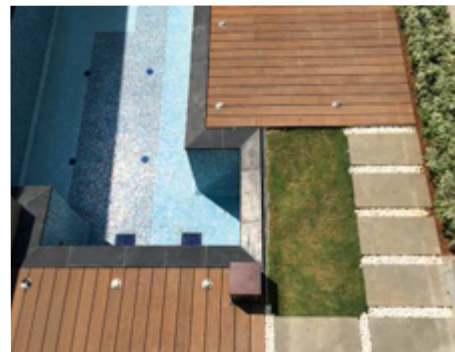




● Headquater of Suzhou Gold Mantis, Jiangsu



● Ho Chi Minh City Private villas, Vietnam



● Private Villas, Pakistan



● Gardenhome Village, Bangkok



● Shanghai Pinghe Bilingual School, Shanghai



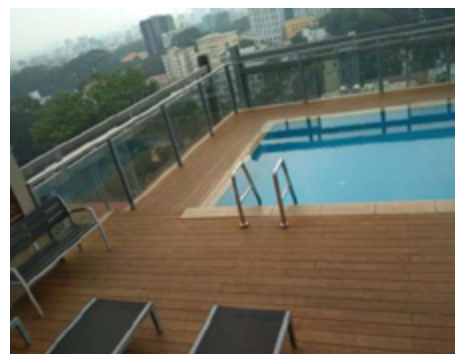
● Madrid Private Villas, Spain



● Chengdu Luhu Wanhua Residential, Sichuan



● Four Seasons Hotel, Hainan



● Ho Chi Minh City Private villas, Vietnam



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