

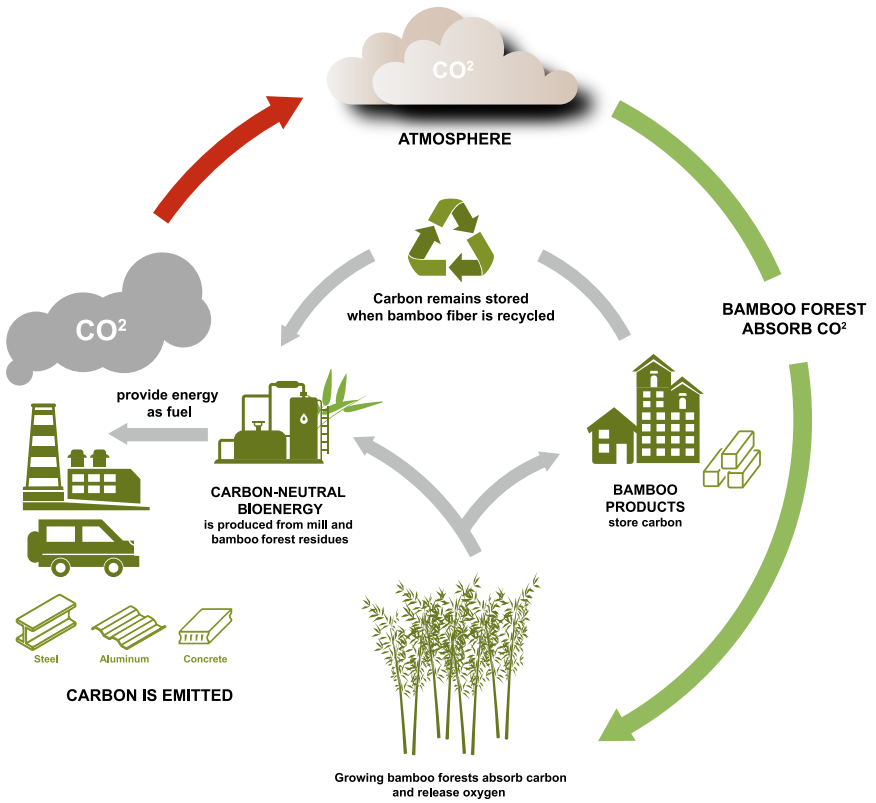


GREEN · BAMBOO · DASSO



We are facing a significant global warming and rapid depletion of resources. It is our duty and responsibility to choose green and renewable resources and reduce carbon emissions.

BAMBOO FOREST CONTRIBUTES TO GLOBAL CARBON CYCLE



SUSTAINABLE LIFE CYCLE OF BAMBOO PRODUCTS

BAMBOO FOREST

- Bamboo is propagating by its own root.
- The underground roots system conserve water and prevent soil erosion.
- Dasso owns FSC certified bamboo forests.



HARVESTED

- Bamboo takes only 4-6 years to mature to industrial use
- Dasso harvests from legal resources which passed EUTR due diligence system.
- Selecting harvest (20 plants/hectare/year) without destroying the whole forest.



PRODUCTION

- Dasso factories certified by ISO9001, ISO14001, ISO45001 have scientific management system during the production.
- Dasso bamboo products use environmental-friendly glue and no harmful chemical addition agent.



END OF LIFE

- Since bamboo is a biobase organic material, it is biodegradable. It can be buried for natural disintegration.
- It can be used as biofuel to produce energy like electricity.



USAGE

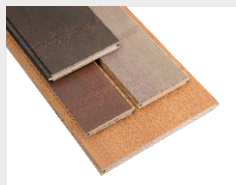
- Up to 85% raw material use ratio, different sections are used to make various products.
- Dasso bamboo products are fully tested by EU/ North America/Australia standards on durability, stability, fire resistance, slip resistance, and etc.



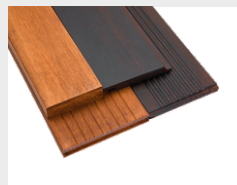
dasso Traditional Bamboo
EPD No.: S-P-01925



dasso Strand Woven Bamboo
EPD No.: S-P-01926



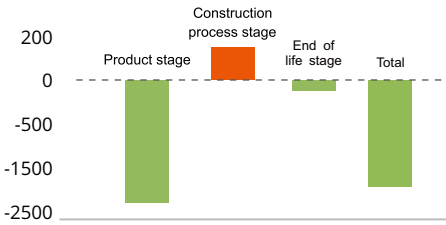
dasso Ecosolid Bamboo
EPD No.: S-P-01927



dassoXTR and dassoCTECH
EPD No.: S-P-01928

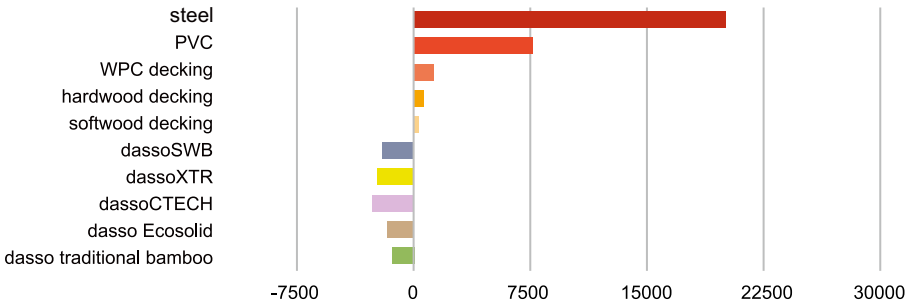
Dasso bamboo products have been EPD certified, indicating a friendly environmental impact during their entire lifespan (35-40 years).

Carbon footprint in each life stage of bamboo products (kg CO₂/M³)



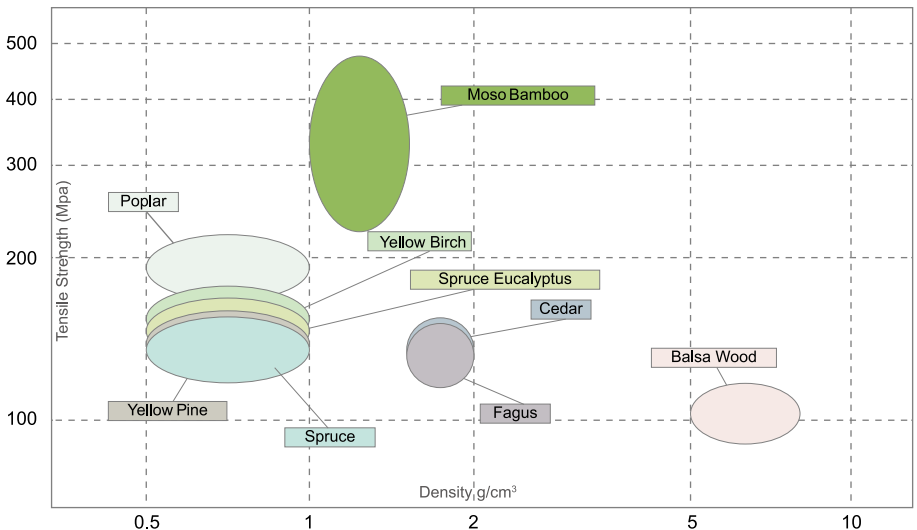
The left figure shows different stage of bamboo product contribute to the main environment impact with different shares, the total emission of CO₂ is negative which means "climate positive". The product stage include biological carbon sequestration and all production process.

Carbon footprint bamboo VS other material (kg CO₂/M³)



Bamboo raw materials have good great mechanical properties. They can be processed and made into a variety of products with superior properties that are widely used in various applications and fields.

Material mechanical property comparison between bamboo and wood



*compare to other wood material, bamboo has the highest ratio of intensity/density, has the best mechanical property.

Mechanical property comparison between dasso bamboo exterior board and other exterior wood board

items \ species	dassoXTR	dassoCTECH	IPE	Merbau	Scots Pine
Density (kg/m ³)	1150	1200	1100	815	550
Compressive strength (Mpa)	100	93	90	73.5	42
Janka hardness (N)	16,992	17,659	15,620	7,620	2,420
Modulus of elasticity (MOE) (MPa)	19.1	16.7	22.07	15.93	10.08

Dasso Bamboo Products have been EPD Certified & Bamboo Material Provide Credits for the Green Building Certification

LEED v4/v4.1 BD+C assessment criteria with relation to dasso products

Criteria LEED	dasso Traditional Bamboo	dasso Strand Woven Bamboo	dasso Ecosolid Bamboo	dassoXTR	dassoCTECH
MATERIAL & RESOURCES	Building life-cycle Impact reduction	●	●	●	●
	Building product disclosure and optimization-environmental product declaration	●	●	●	●
	Building product disclosure and optimization-sourcing of raw materials	●	●	●	●
	Building product disclosure and optimization-material ingredients				●
INDOOR ENVIRONMENTAL QUALITY	Low Emitting Materials			●	
	Acoustic performance	●	●	●	●
	Interior Lighting	Natural Color	Natural Color		
INNOVATION	Innovation			●	●

BREEAM assessment criteria with relation to Dasso products

Criteria BREEAM	dasso Traditional Bamboo	dasso Strand Woven Bamboo	dasso Ecosolid Bamboo	dassoXTR	dassoCTECH
Mat 01	Life cycle impact-Life cycle assessment(LCA)	●	●	●	●
	Environmental product declaration	●	●	●	●
Mat 03	Responsible sourcing of construction products-Sustainable procurement	●	●	●	●
	Responsible sourcing of construction products -Responsible sourcing of construction products	●	●	●	●
Mat 05	Designing for durability and resilience			●	●
Mat 06	Material efficiency	●	●	●	●
Hea 01	Visual comfort	●	●	●	●
	Indoor air quality-Indoor air quality program			●	
Hea 02	Indoor air quality-Releases of building products			●	
	Indoor air quality-Measurement of indoor air quality after completion			●	
Hea 04	Thermal comfort			●	●
Hea 05	Acoustic performance	●	●	●	●
Ene 04	Low carbon design			●	●
Inn 01	Hea 02 Indoor air quality			●	
	Mat01 Life cycle impact	●	●	●	●
	Mat03 Responsible sourcing of construction products	●	●	●	●

Green Star v3.2 assessment criteria with relation to Dasso products

Criteria Green Star	dasso Traditional Bamboo	dasso Strand Woven Bamboo	dasso Ecosolid Bamboo	dassoXTR	dassoCTECH
Materials	MAT-2 Building Reuse			●	●
	MAT-3 Sustainable Materials	●	●	●	●
	MAT-4 Low Emitting Material	●	●	●	●
	MAT-6 Timber	●	●	●	●
Energy	ENE-1 Energy			●	●
	ENE-2 Greenhouse Gas Emissions	●	●	●	●
	ENE-7 Peak Electricity Demand Reduction			●	●
Indoor Environment Quality	IEQ-6 Thermal Comfort			●	●
	IEQ-13 Internal Noise Levels		●		
Innovation	Adaptation and resilience			●	●
	Culture heritage and identity			●	●
	Financial transparency	●	●	●	●
	Material life cycle impacts	●	●	●	●
	Environmental product declarations	●	●	●	●



The mark of responsible forestry
Ask about FSC® certified material



**Hangzhou Dasuo
Technology Co.,Ltd**



**Hangzhou Zhuangyi
Furniture Co.,Ltd**



**Fujian Dasso Industry
Co., Ltd**



**Zhejiang Daocheng Bamboo
Industry Co., Ltd**



**Jiangxi Zhushang Bamboo
Industrial Co.,Ltd**



Zhujia Gallery



**Zhejiang Xinhaiye Bamboo
Technology Co.,Ltd**



**Shunchang Zhujia Bamboo
Industrial Co.,Ltd**



**dasso sustainable
bamboo forest**



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