

ZHUART

# ZHUART<sup>®</sup> BAMBOO Outdoor bamboo products



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# ZHUART<sup>®</sup> WORLD LEADING OUTDOOR BAMBOO MANUFACTURER

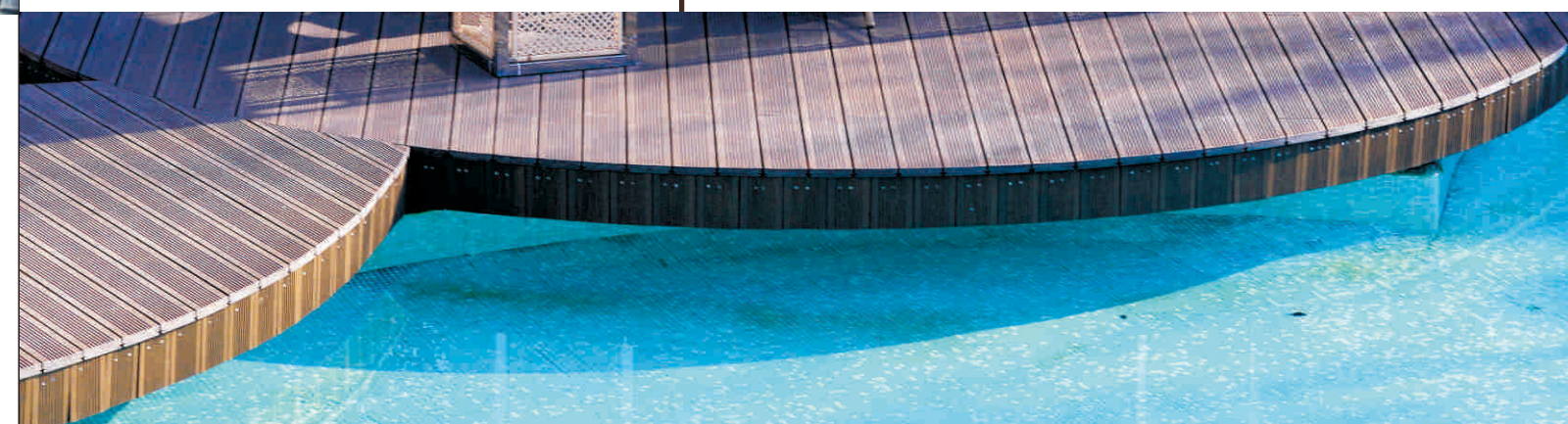
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To Users





40,000 m<sup>2</sup> regular semi-manufactured panels stock



equipped with the most advanced machines



experienced workers

## FACTORY PROFILE

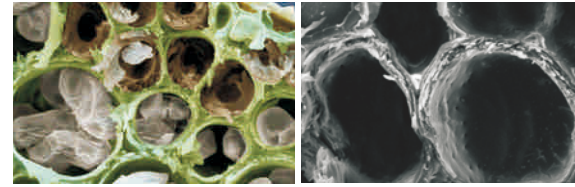
**ZHUART BAMBOO is manufactured by Zhejiang Jiahe Bamboo Technology Co., Ltd.**

- ★10 years mature production experience and European quality control system endorsed with ISO9001 ,
- ★Its Environment Management is in conformity with ISO14002
- ★40,000 m<sup>2</sup> factory land occupation ,equipped with the most advanced machines and experienced workers.
- ★Annual yield is up to 1 million m<sup>2</sup> and 40,000 m<sup>2</sup> regular semi-manufactured panels stock ensure you a punctual leading time.



# transform bamboo to ZHUART BABMOO

With a unique physical technical, ZHUART BAMBOO is restructured, from original bamboo stems to a high density & hardness, extremely durable, and excellent dimensional stability material, and becomes a true alternative for increasingly scarce tropic hardwood species even superiors more.



Full-sugar molecules are visible in bamboo cells (LEFT) before physical treatment, but gone after being processed (RIGHT). Thus, there will be no more nutrition for insects and fungus.

## PERFORMANCE COMPARISON

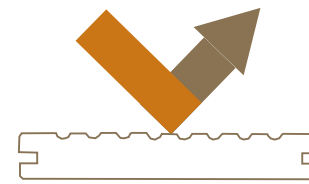
	ZHUART®	Normal Compressed-flooring	Natural Anti-corrosive Timber	Preservative treated Timber	WPC
Corrosion-resistance Grade	High	Low	Medium +	Medium -	Medium
Mold-proof Performance	A+	C	B+	B-	B
Stability	Stable	Easy Deformed and Cracked	Good	Easy Deformed	performs bad in both High or Low temperature
Surface Hardness	High	Medium	High	low	performs bad in both High or Low temperature
Termite-Resistance	A	C	C	D	B
Sustainability	Good	Medium	Medium	Worse	Bad
Features	Thermo Treated	Carbonized	Natural Wood Properties	ACQ or ACC Chemical treated	wood/bamboo powder combined with Plastic



- ◀ Fire resistance contrast
- ◀ Hardness contrast
- ◀ Tensile strength contrast

# ZHUART BABMOO advantages

Elaborately engineered to substitute tropical hardwood. It is versatily used, such as decking, cladding, fencing and outdoor furniture etc.

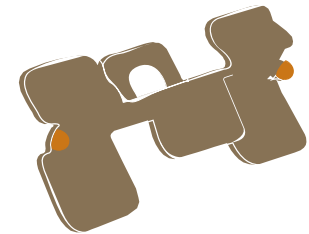


### High density & durable

- Density 1200kg/m<sup>3</sup> higher than most tropical hardwood.
- Grade 0 Fungi resistance following ASTM G21-15.
- Brinell hardness: 3.6N/mm<sup>2</sup> conforms to EN1534:2010.

### High dimensional stability

- Much more stable than many other hardwood species.
- Gapless end to end connection with T&G.

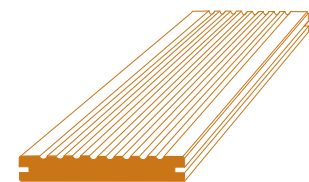
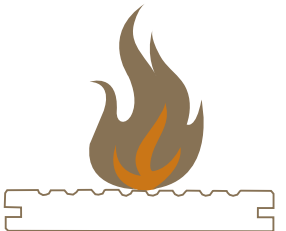


### Quick installation

- Handy clips and fixed board size ensure a quick and convenient installation.

### Fire resistance

- Bfl-s1 fire resistance complies with EN13501-1, which means ZHUART bamboo can be utilized for public projects.



### Natural appearance

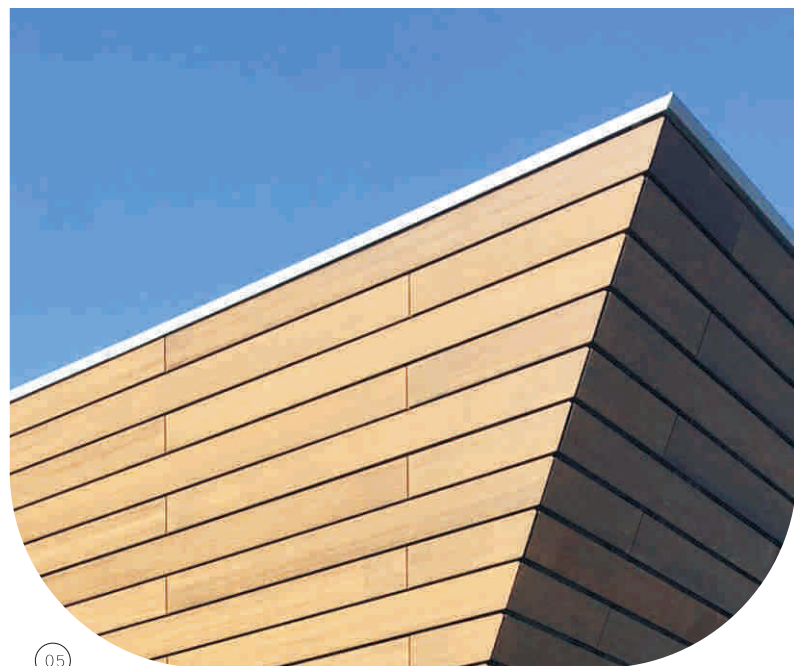
- A hardwood appearance feature.
- Symmetric profiled with alternative surfaces (ribbed + flat).
- Beautiful weathering silver or maintain to original color can be chosen.

### Sustainable resource

- Bamboo is the fastest growing alternative resource to hardwood.
- Individual stem can be used very 4-6 years, and the plant reborn from original roots net system underground.

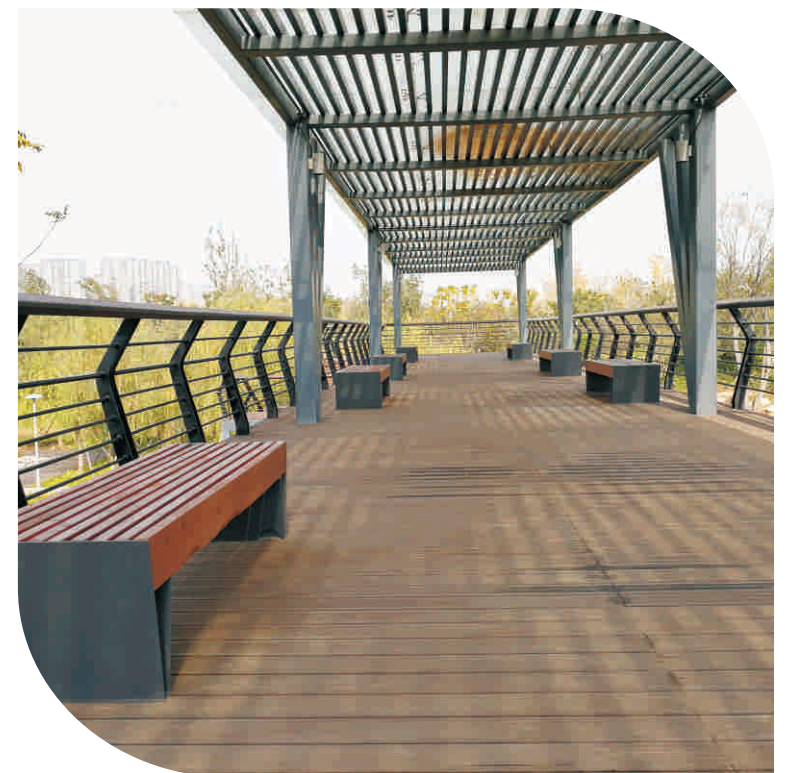




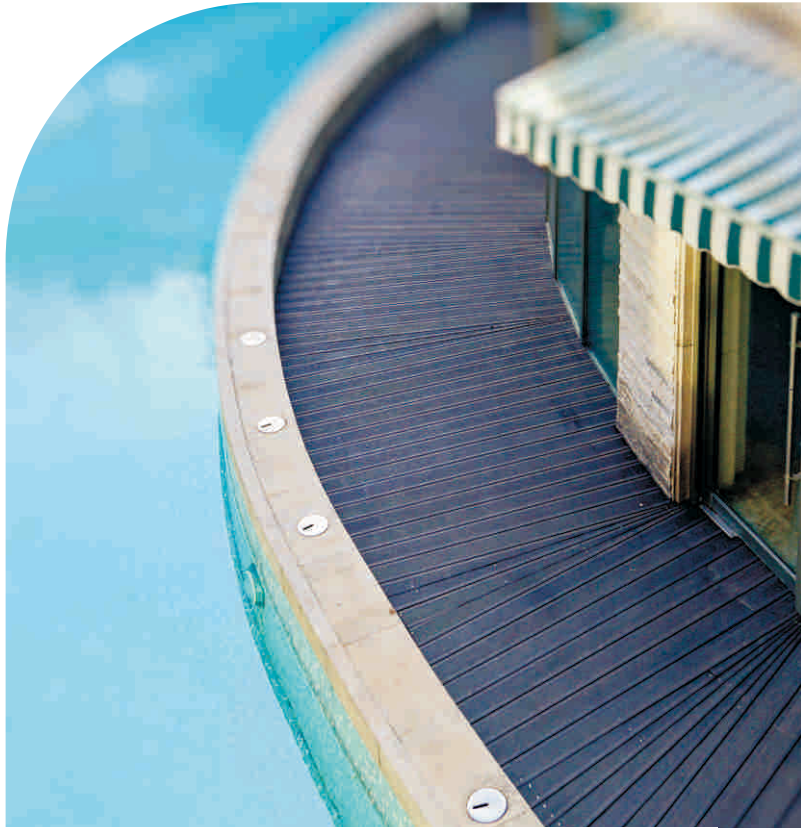
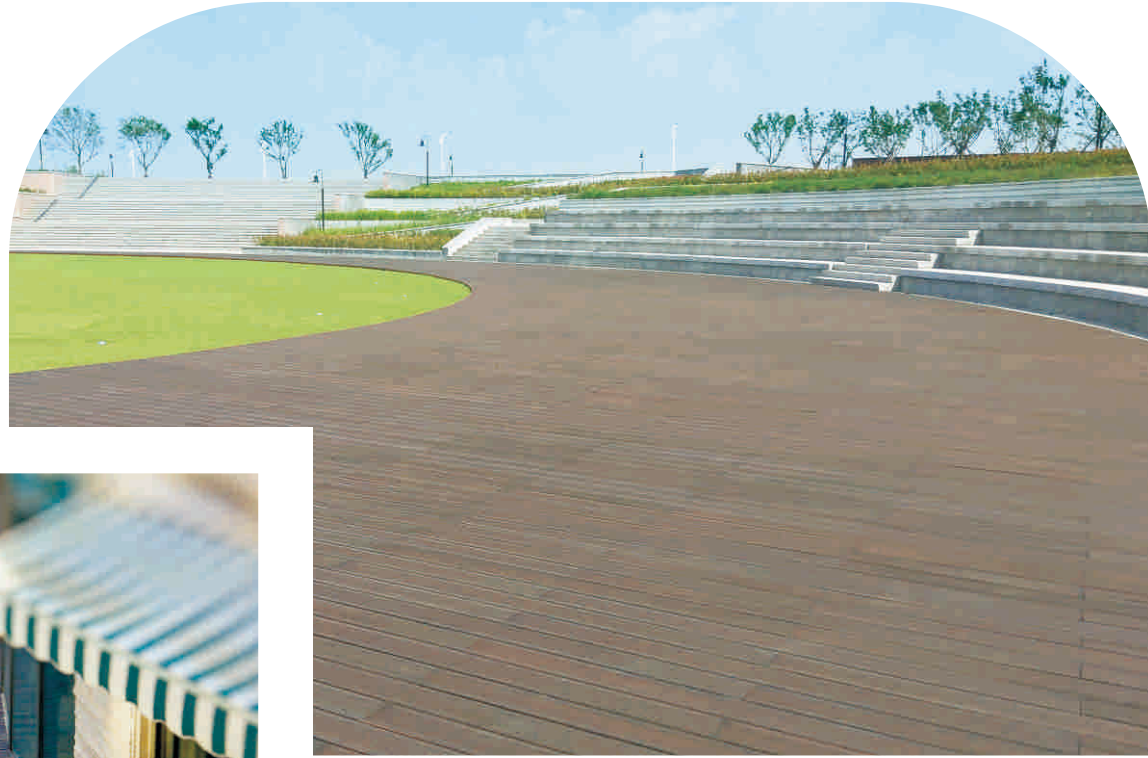


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Projects  
Reference







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