



exterpark

DECKING REINVENTED

BAMBOO FSC



Introducing our revolutionary **Exterpark Bamboo FSC** decking, meticulously crafted using the innovative technique of strand-woven compressed bamboo.

With its dense and robust composition, our strand-woven compressed bamboo boasts unparalleled resistance against weather elements, termites, and decay, ensuring a long-lasting decking solution for years to come.

Experience the beauty of nature and sustainability at its finest with our eco-friendly decking bamboo. Our commitment to environmental consciousness.

Botanic name:

Tribe Olyreae (herbaceous bamboos), *Tribe Bambuseae* (tropical woody bamboos), *Tribe Arundinarieae* (temperate woody bamboos)

Commercial name: Bamboo

Location: China

Colour: Light brown / Carbonized brown

Hardness: 79.2 N/m² (DIN EN 1534)

Density: 1200-1300 kg/m³

Grain: Interweaved

Warranty: 15 years*



PHYSICAL AND MECHANICAL PROPERTIES

Moisture content	6.0%	(ASTM D4442-07 Method A)
Expansion rate or water absorption	0.2%	(EN 317:1993)
UV-proof	grey scale 3-4	(ISO 4892-3:2016 CYCLE 1)
Bending strength.....	79.2 Mpa	(DIN EN 408)
Tensile strength	201.7 Mpa	(EN ISO 178-2019)
Flexural properties.....	94.7 Mpa	(EN ISO 178-2019)
Contraction coefficient	61%	(ISO 11359)
Elasticity module	16700 N /mm ²	(DIN EN 408)
Axial compression	13 Mpa	(ASTM E2954-15 2022)
Brinell hardness	79.2 N/mm ²	(DIN EN 1534)

OFICIAL PERFORMANCE TESTS (including system)

Loading capacity	UNE-EN 12825:2002;	
(Exterpark FSC Bamboo S + Aluminum joists + Pedestals)	4000 kg/m ²	
Wind load resistance test following ETAG 034	Suction test: 4500 pa - 320 km/h	
	Pressure test: 3000 pa	
Golf car test	Traction and fatigue of the Magnet	
Fireproof grade	Bf1-S1	(DIN EN 13501 - 1: 2010)
Slip Resistance according to CEN/TS 15676: 2007	Class 3Rd > 45	(DIN 51097)

BIOLOGICAL AND CHEMICAL PROPERTIES STANDARD

Termite Resistance Level	DC D	(EN117)
Biological Durability class	DC 1	(EN 350:2016)
Release of Formaldehyde	E1(<0.1mg/L)	(GB/T17657-2013)
Test fungi	0 not blue-stained	(EN 152:2011)

FINISHING: boards will be supplied pre-oiled from the factory

- Fully protection on board on all sides
- Gain in stability and durability
- Improved resistance to environmental adversities

Exterpark oil can be supplied for maintenance purposes after colour fading due to UV exposure.

*misuse or bad installation is not covered

MAGNET



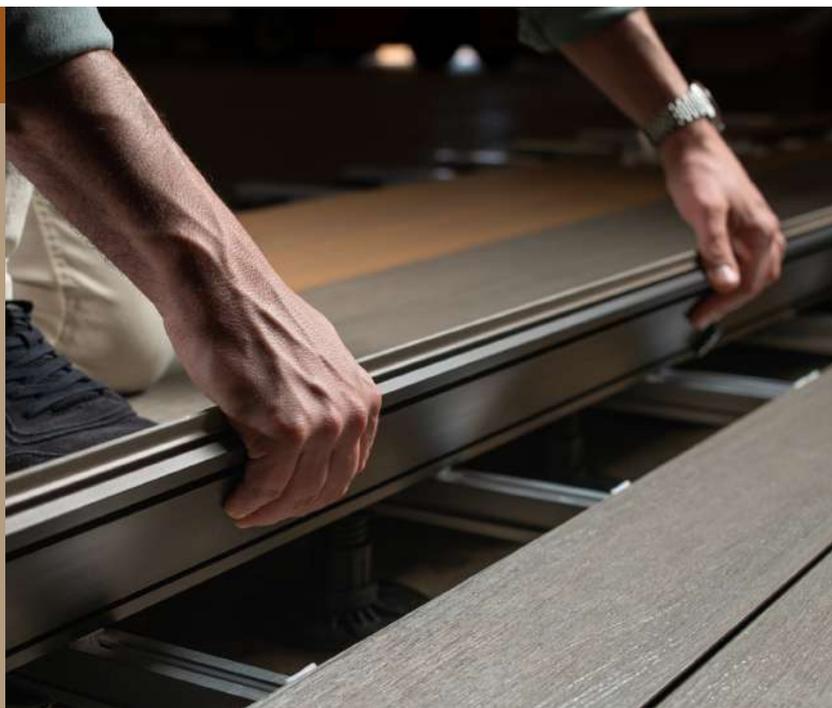
ASSEMBLY

NO SCREWS
NO PREDRILLING
NO TOOLS
NO NOISE
3× FASTER

TOTAL ACCESSIBILITY

MAINTENANCE FRIENDLY
EASY SUBSTITUTION
OF BOARDS
ENLARGED SERVICE LIFE
RELOCATION POSSIBILITIES

REUSABLE 



STANDARD PROFILE WITH OPEN GAPS

VS



EXTERPARK INVISIBLE PROFILE

COLOUR RANGE & SIZES



NATURAL



CARBONIZED

20X139X1860MM

Specifications
Properties tolerance

Length/mm
± 0.5

Width/mm
± 0.2

Thickness/mm
± 0.15

T&G depth/mm
± 0.1

MAGNET INSTALLATION KIT



DOUBLE BLOCKER



MAGNET CLIP



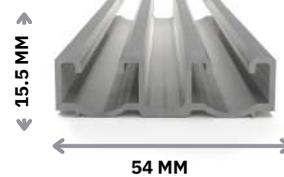
LOW DOUBLE JOIST



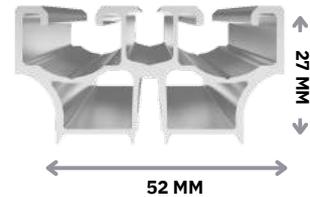
DOUBLE JOIST

ALUMINUM JOISTS

LOW DOUBLE



DOUBLE



A SOLID ROCK FOUNDATION

- Improved loading capacity to more than 4000 kgs/sqm
- Superior mechanical properties to hold clips
- Upgraded stability: remain straight, will not warp or decay
- Enlarged service life
- Save costs and time by using fewer pedestals
- Fixed lengths of 2200mm



The **Magnet S clip** is the cornerstone of the system. The key is strength with the right flexibility. Fully made of POM, a high-performance engineering thermoplastic with excellent dimensional stability even in extreme conditions. Strong yet flexible, with a low friction coefficient and, high abrasion resistance.

Blocking:

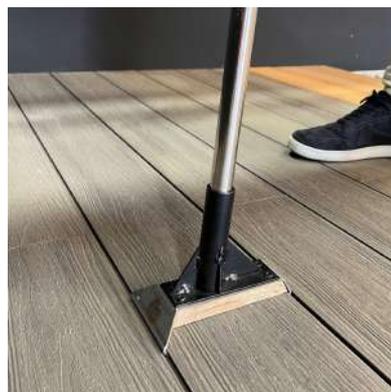
Leave a 4 mm separation between boards for optimum drainage. The double blocker ensures an excellent performance and prevents longitudinal and lateral movements.



The **Double clip joist** for the short-end connection is a must for the good performance of the product. It has a 4 mm indicative spacing mark for the expansion gap.

MAGNET TOOL

Opens boards in **2 seconds**



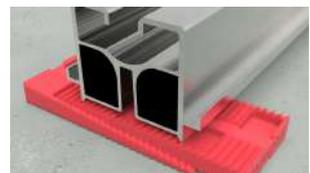
HEIGHT-ADJUSTABLE PEDESTALS

From 5 cm up to more than 1 meter



WEDGES

From 5 mm and up to 50 mm



L profile / Edge Board:



MAGNET



EXTREME DURABILITY

The Magnet S clip is genuinely fully made of Polyoxymethylene (POM) featuring mechanical and physical properties such as high mechanical strength and rigidity, excellent fatigue and impact resistance, as well as resistance to moisture, lubricants, and solvents. Essential for the performance of the clip system this material also has excellent dimensional stability, good electrical insulating characteristics, naturally resilient and self-lubricating.

Typical applications for injection-molded POM include high performance engineering components. The material is widely used in the automotive and consumer electronics industry.

FULL PERFORMANCE IN ANY ENVIRONMENT

Withstands $-40\text{ }^{\circ}\text{C}$ to $+90\text{ }^{\circ}\text{C}$
Density of $1.410\text{--}1.420\text{ g/cm}^3$
Melting point of $178\text{ }^{\circ}\text{C}$



Durability Test (Test report no. 221.I.2103.271.EN.01): durability under compression test overpass 2'000,000 million cycles with no visible damage on the structure or the mechanical locking (*Magnet system*)

TECHNICAL DATA

Mechanical Properties	Value	Test Standard
Tensile modulus	2300 MPa	ISO527-1/-2
Yield stress	56 MPa	ISO527-1/-2
Yield strain	18%	ISO527-1/-2
Nominal strain at break	35%	ISO527-1/-2
Flexural modulus	2100 MPa	ISO178
Flexural stress at 3.5%	60 MPa	ISO178
Tensile creep modulus		
1 h	2300 MPa	ISO899-1
1000 h	1200 MPa	ISO899-1
Thermal Properties		
Melting temperature	178 °C	ISO11357-1/-3
Temp. of deflection under load		
1.8 MPa	78 °C	ISO75-1/-2
0.45 MPa	146 °C	ISO75-1/-2
Vicat 50°C/h, 50N	140 °C	ISO306
Coef. of linear thermal expansion		
Parallel	130 E-6/K	ISO11359-1/-2
Normal	120 E-6/K	ISO11359-1/-2

CLASSIFICATION FOR OUTDOOR SUITABILITY:

F1

the material meets both UV and water immersion requirements
UL 746C



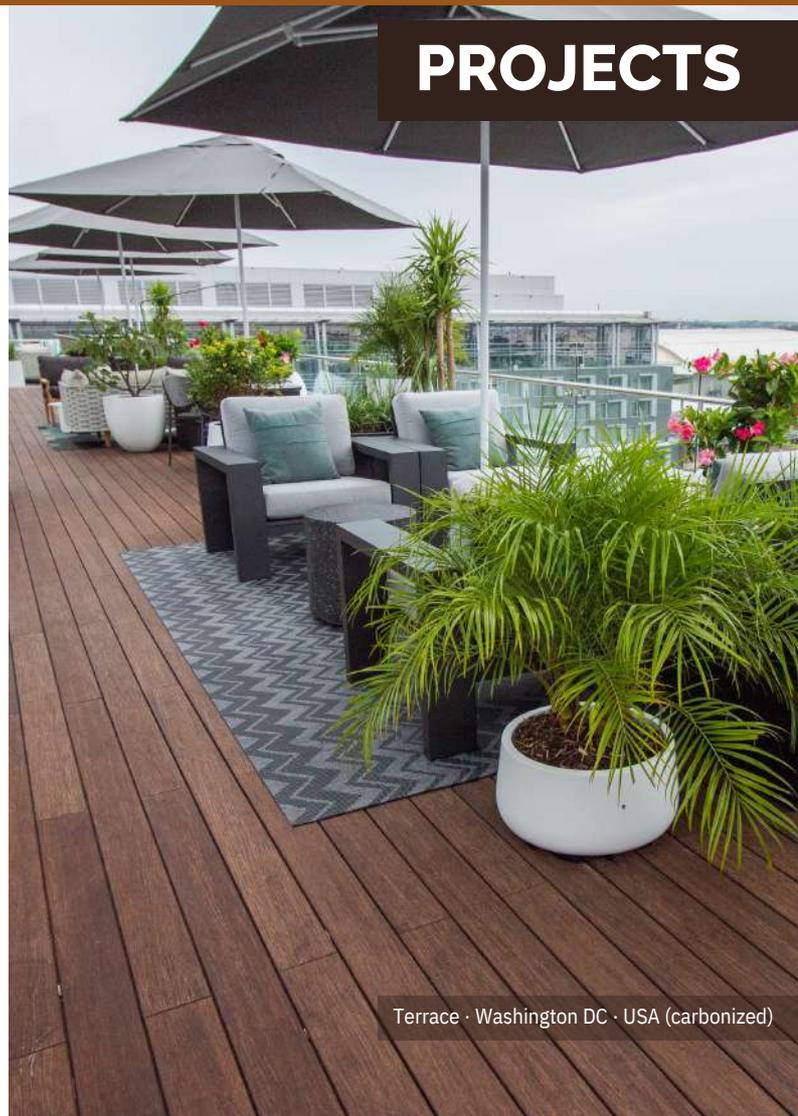
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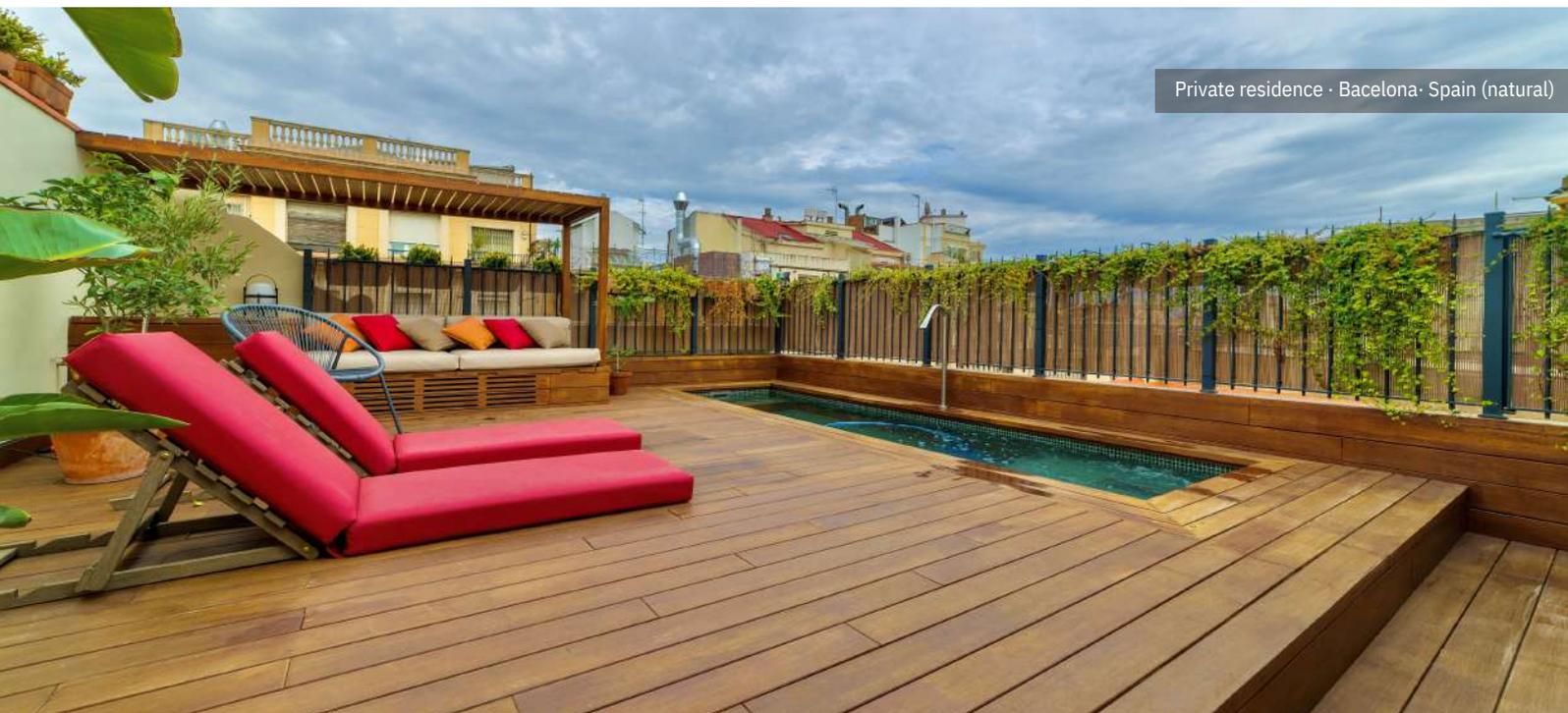
PROJECTS



Katar Towers · Doha · UAE (natural)



Terrace · Washington DC · USA (carbonized)



Private residence · Barcelona · Spain (natural)

· INVENTED & MANUFACTURED IN BARCELONA · PATENTED WORLDWIDE ·



hola@exterpark.com



+34 93 508 65 80



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YVYRA app

