

exterpark & the magnet®

BAMBOO

WOOD FEATURES

Botanic Name

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

Commercial Name

Bamboo

Location

China

Colour

Dark brown after thermo
carbonized treatment.

Density

1200 Kg/m³

Wood Fitness

Hard and dense wood types which are
stable and suitable for outdoor exposure.

Hardness

70.4Gpa

Grain

Interweaved

EXTERPARK'S FINMANUFACTURING

All exterpark raw materials are kiln dried to achieve balance humidity level of 15-18% in individual processes which may last from one week to a month depending on current humidity contents and actual wood specie. Such balance humidity level is key to a good performance when interacting with changing outdoor weather conditions. All bamboo boards are produced in 30cm/40cm increments. All double joists will be laid at 30cm/40cm span and all short end connections will be clipped down. That will be most possible solid platform for a long service life and performance of the product.

OFICIAL PERFORMANCE TESTS

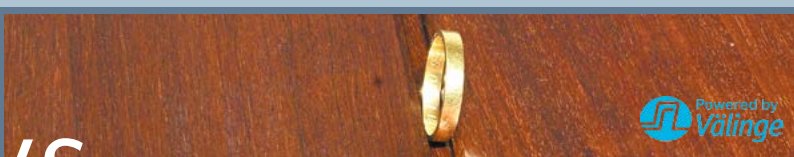
Loading capacity (Exterpark Magnet Bamboo + Aluminum joists + Pedestals) 4000kg
Slip Resistance according to UNE-ENV 12633:2003. Class 3Rd>45
(best class requested for outdoor flooring and humid areas)
Wind load resistance test in accordance with ETAG 034. Suction test: 4500pa - 320km/h
Pressure test: 3000pa
Golf car test Traction and fatigue on wood flooring exterpark magnet
Fire proof grade: Bf1

PHYSICAL AND MECHANICAL PROPERTIES OF BAMBOO

Moisture rate: 7% - 15%
Expansion rate or water absorption: 0.35%
UV-proof: E*ab :1.69
Bending strenth: 74.2Mpa
Tensile strenth: 201.7Mpa
Durability very resistant against the action of funghi, termites and xylophagi

FINISHING

Exterpark bamboo boards will be supplied pre-oiled from factory:
• Full protection of board on all sides
• No concern about exposure to humidity during fit out
• Gain in stability and durability
• Improved resitance to environmental adversities
Exterpark oil can be supplied for maintenance purpose after colour fading due to uv exposure.



STANDARD PROFILE WITH OPEN GAPS

VS

EXTERPARK INVISIBLE PROFILE





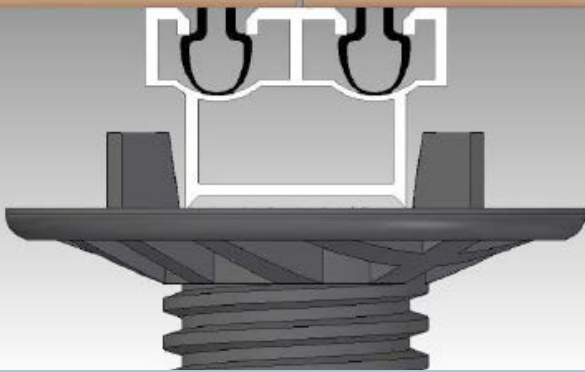
ASSEMBLY

easy No screws

fast No predrilling

silent No tools

COST-EFFICIENT



TOTAL ACCESSIBILITY

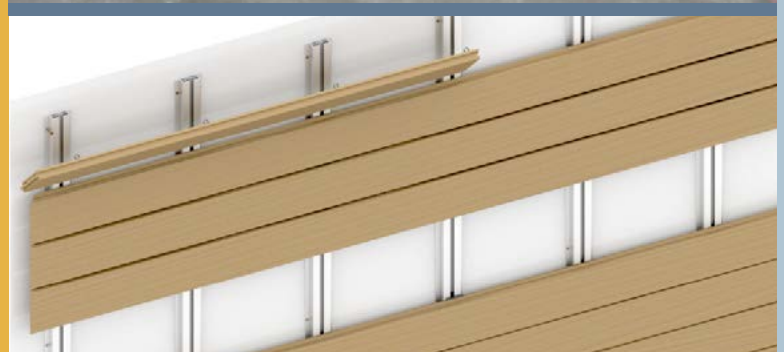
maintenance friendly

easy substitution of boards

enlarged service life

relocation possibilities

REUSABLE



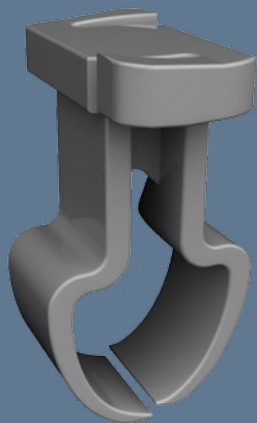
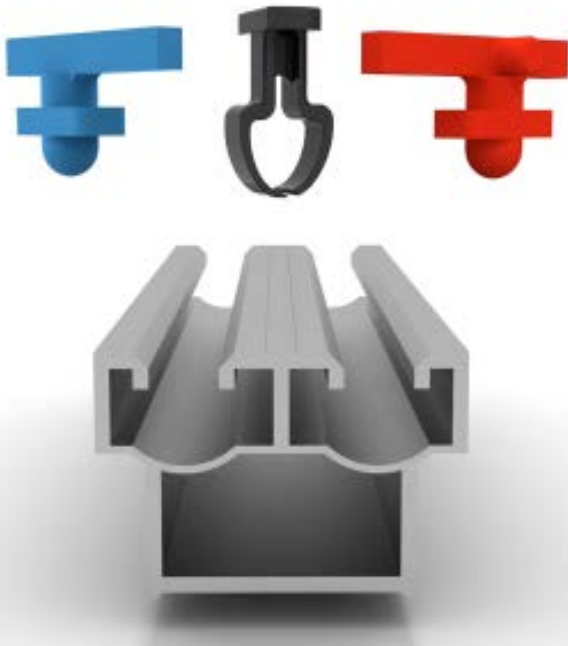
Profile & Dimensions

More solid | Greater wear surface | More stable | More resistant and durable



20 x 139 x 1860 mm

Magnet Installation Kit



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

Spacer: Leave 4mm separation between boards for an optimum drainage.

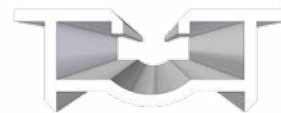
Blocking Spacer: Ensure an excellent performance of the wood and at the same time prevent misplacement.

Double Joists: Under each short end secures the board ensuring a long lasting installation.

L-Shape Board 45x95mm



Aluminum Joists



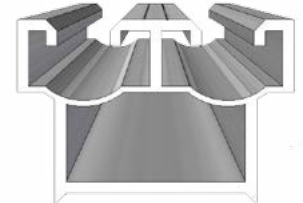
LOW



WALLS



SINGLE



DOUBLE

A SOLID ROCK FOUNDATION

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

Height-adjustable pedestals



From 5 cm up to more than 1 meter

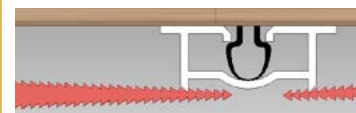
Magnet tool

Opens boards in less than 5 seconds



Wedges

From 5 mm and up to 25 mm



the magnet®



EXTREME DURABILITY

The Magnet 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 $\approx 1.410\text{--}1.420\text{ g/cm}^3$.
Melting point of $178\text{ }^{\circ}\text{C}$

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

material meets both UV and water
immersion requirements
UL 746C