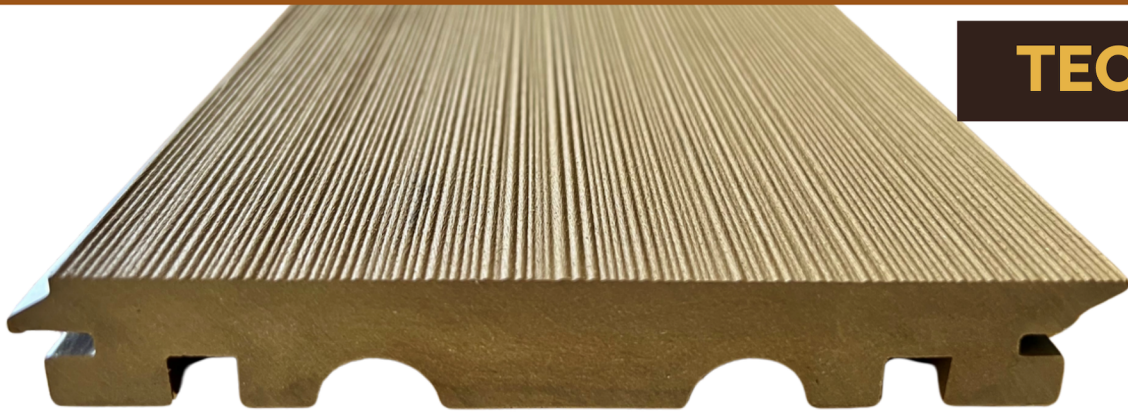




exterpark

DECKING REINVENTED

TECH ONE



Solid boards, patented invisible profile with no open gaps, screwless installation, patented Magnet S system with 100% accessible boards.

Manufactured by extrusion process featuring an asymmetrical patented profile with invisible gaps, solid body, smooth top surface and bottom grooves for the Magnet S Clips.

ASSETS

- Patented profile with invisible gap
- Patented installation system: **The Magnet S**
- Installation with no screws
- 100% accessible
- Easy installation and maintenance
- 3x faster
- All-weather resistant
- A solid rock 20mm body ideal for heavy duty outdoor areas
- Termite and insect-proof
- Low surface maintenance
- Barefoot friendly

COMPOSITION

- 65% Reclaimed FSC Wood
- 30% P.E.
- 5% Additives



PHYSICAL AND MECHANICAL PROPERTIES

Modulus of Elasticity	36.2 Mpa
Hardness	7144 N
Tensile strength	21.6 Mpa
Water absorption	~2.00%
Density	1.39 gr/cm ³
Coefficient of thermal expansion	~0.0000114 m/m °C
Abrasion resistance	~0.15 gr
Loading capacity (Exterpark Tech+Aluminum joists+Pedestals)	4000 kg
Fire resistance	C(fl)-S1
Slip resistance	Class 3Rd>45 (best class requested for outdoor flooring and humid areas)
Weathering Xenon Arc Exposure *2000Hrs	Colour Change / Moderate Effect
	Chalking / No Effect
	Checking / No Effect
	Cracking / No Effect
	Blistering / No Effect
	Flaking / No Effect
Resistance to fungus	Very Resistant

OFFICIAL PERFORMANCE TESTS

Loading capacity (Exterpark Tech Rock S + Aluminum joists + Pedestals)	4000 kg
Slip resistance: smooth surface R10; brush surface R11 Class 3Rd>45 (best class requested for outdoor flooring and humid areas)	
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 S

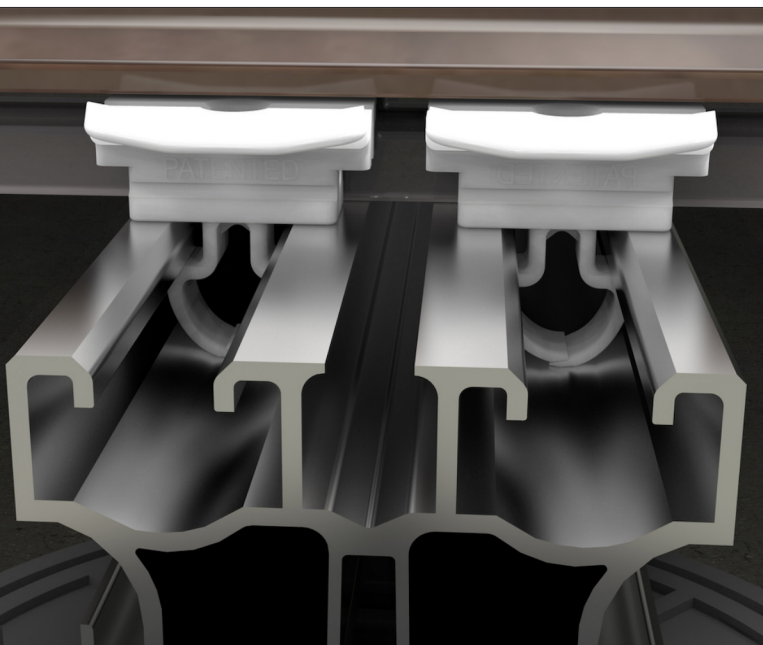


MAGNET



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

BRUSHED & SMOOTH FINISH

20X145X2200 MM
WALL: 13X145X2200 MM

TIERRA

ARENA

LUNA

NUVEM

PIZARRA

ANTRACITA

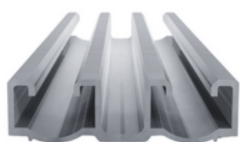
MAGNET INSTALLATION KIT



DOUBLE BLOCKER



MAGNET CLIP



LOW DOUBLE JOIST

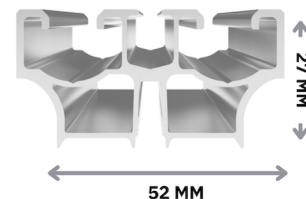
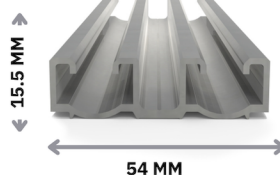


DOUBLE JOIST

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

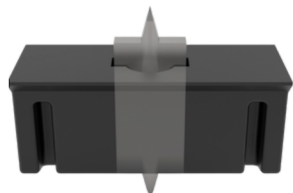


The **Magnet S clip** is the cornerstone of the system. The key is strength with the right flexibility. Fully made of POM, a high-performance engineering thermoplastic with excellent dimensional stability even in extreme conditions. Strong yet flexible, with a low friction coefficient and, high abrasion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



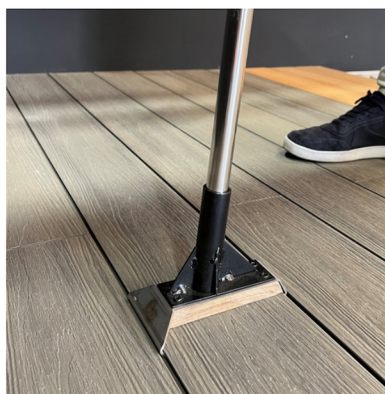
The **Double clip joist** for the short-end connection is a must for the good performance of the product. It has a 4 mm indicative spacing mark for the expansion gap.

L profile / Edge Board:



MAGNET TOOL

Opens boards in **2 seconds**



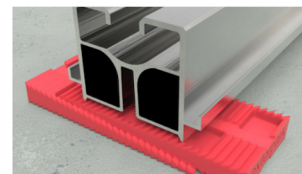
HEIGHT-ADJUSTABLE PEDESTALS

From 5 cm up to more than 1 meter



WEDGES

From 5 mm and up to 50 mm



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 $^{\circ}\text{C}$	ISO11357-1/-3
Temp. of deflection under load		
1.8 MPa	78 $^{\circ}\text{C}$	ISO75-1/-2
0.45 MPa	146 $^{\circ}\text{C}$	ISO75-1/-2
Vicat 50 $^{\circ}\text{C}/\text{h}$, 50N	140 $^{\circ}\text{C}$	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



exterpark

DECKING REINVENTED

PROJECTS



Bulgari Resort · Dubai · UAE



Galaxy Hotel & Casino · Macau · China



Aura Skypool · Dubai · UAE

· INVENTED & MANUFACTURED IN BARCELONA · PATENTED WORLDWIDE ·



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