



exterpark

DECKING REINVENTED



TECH CUBE

Shield-capped wood grain surface. Manufactured by a co-extrusion process featuring an asymmetrical patented profile with invisible gaps, a solid body, a top surface with wood texture 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 to install and disassemble
- All-weather resistant
- Termite and insect-proof
- Low surface maintenance
- Barefoot friendly

COMPOSITION

- 60% Reclaimed FSC Wood
- 30% P.E.
- 10% Additives



RECYCLED CONTENT

95% recycled materials including P.E. and reclaimed FSC wood fibres. Excellent eco-friendly floor that can help generate LEED points.

SHIELD PROTECTION

Suitable for commercial and residential applications. Capped the outer shell of the polymer surface for water-proof protection, scratch-resistant, anti-stain, moisture, mould, fade and mildew.



Tech Cube S weight: 16.9 kg/m²

Approximate weight Tech Cube S + Magnet

accessories: 18.7 kg/m²

PHYSICAL AND MECHANICAL PROPERTIES

Modulus of Elasticity	36.2 Mpa
Hardness	7144 N
Tensile strength	21.6 Mpa
Water absorption	0.12%/weight
Expansion coefficient humidity	0.11%/weight
Water dissolution	insignificant
Resistance to fungus	Very resistant
Manufacturing	Co-extrusion
Abrasion resistance	ASTM D4060 Index 27 and Index 33
International Building Code (IBC)	Comply
International Residential Code (IRCC)	Comply
Wear index	ASTM D4060-10 Index 33
Formaldehyde emission	E1
Scratch resistance	FLTM BO 162-01:2009 Max Load 21N appearance: No gouging
Linear Thermal Expansion Coefficient	°C ⁻¹ BS EN 15534-1-2014+A1-2017 ≤ 5.0x10 ⁻⁵ 20°C STGJ123 4,8x10 ⁻⁵ -80h STGJTHM137 4,89x10 ⁻⁵

OFICIAL PERFORMANCE TESTS

Loading capacity	UNE-EN 12825:2002; (Exterpark Tech CUBE S + Aluminum joists + Pedestals)	4000 kg/m ²
Wind load resistance test under ETAG 034	Suction test: 4500 pa - 320 km/h	Pressure test: 3000 pa
Golf car test	Traction and fatigue of the Magnet	
Weathering Xenon Arc Exposure *2000 hrs	Colour change / Moderate Effect	Cracking / No effect
Chalking / No effect	Checking / No effect	Flaking / No effect
Blistering / No effect		
Slip resistance according to UNE-ENV 12633:2003	Class 3Rd > 45 R11 (best class requested for outdoor flooring and humid areas)	
Fire resistance (EN 13501-1:2007 +A:2009)	C(fi)-S1	

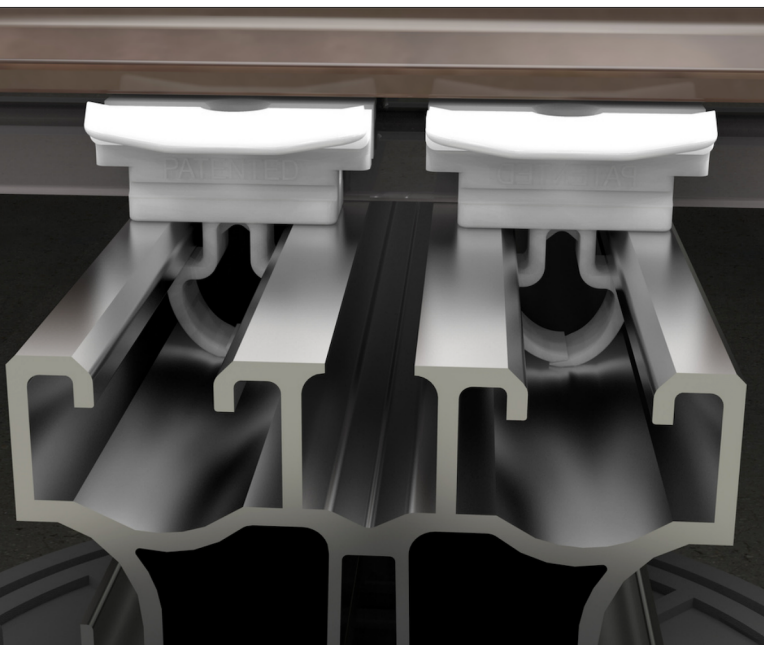


MAGNET



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

22X145X2200 MM

IPE

TEKA

GREIGE

SAND

CREMA

NIEVE

PLATA

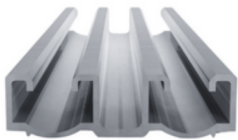
MAGNET INSTALLATION KIT



DOUBLE BLOCKER



MAGNET CLIP



LOW DOUBLE JOIST



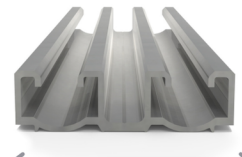
DOUBLE JOIST

ALUMINUM JOISTS

LOW DOUBLE

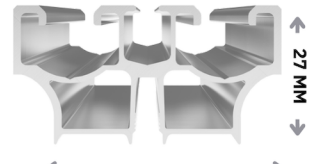
DOUBLE

15.5 MM



54 MM

27 MM



52 MM

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

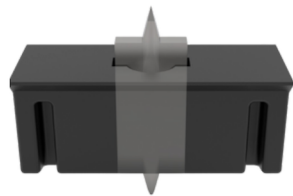


The **Magnet S clip** is the cornerstone of the system. The key is strength with the right flexibility. Fully made of POM, a high-performance engineering thermoplastic with excellent dimensional stability even in extreme conditions. Strong yet flexible, with a low friction coefficient and, high abrasion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



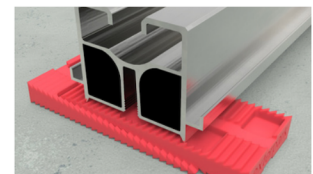
HEIGHT-ADJUSTABLE PEDESTALS

From 5 cm up to more than 1 meter

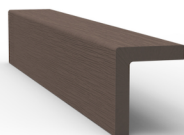


WEDGES

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 $^{\circ}\text{C}$	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



Private house · Miami · USA (plata)



Playafels Hotel · Castelldefels · Spain (ipe)



Private residence · Badalona · Spain (crema)

· INVENTED & MANUFACTURED IN BARCELONA · PATENTED WORLDWIDE ·



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YVYRA app

