exterpark & the magnet®

ARGUABLY BEST WPC DECKING AVAILABLE WITH TWO PATENTED INNOVATIONS

TECH WALL

Exterpark Tech Wall special thinner format, patented invisible profile with no open gaps, screwless installation patented magnet system with 100% accessible boards.

TECH FEATURES

Assets

- Patented profile with invisible gap
- Patented installation system: The Magnet
- Installation with no screws
- 100% accessible
- Easy installation and maintenance
- All-weather resistant
- A solid 13mm body ideal for light duty outdoor areas such as walls and ceilings
- Termite and insect-proof
- Low surface maintenance

Composition

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

FSC

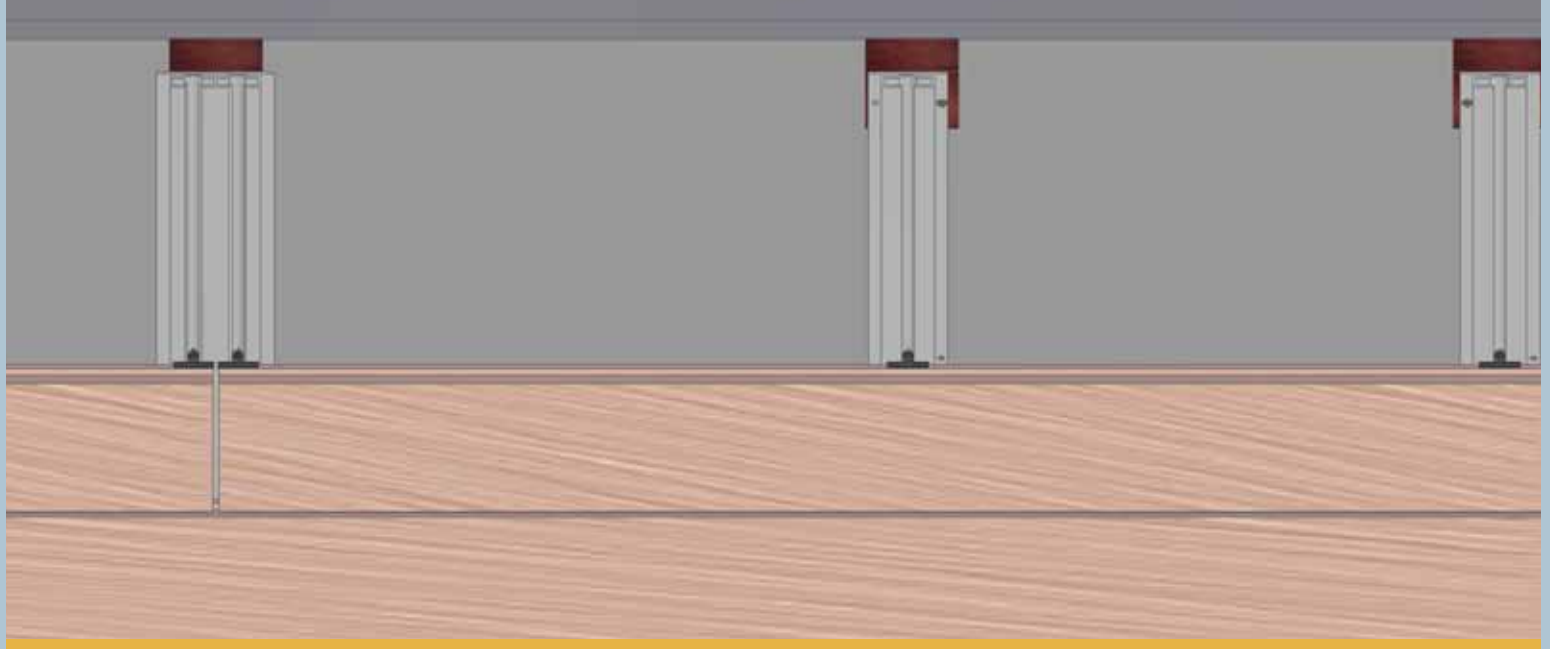
MANUFACTURING

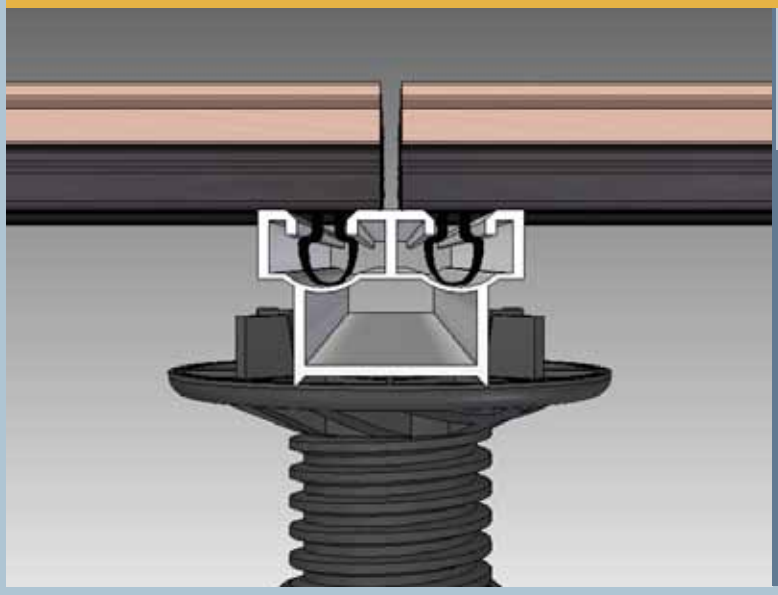
Exterpark Tech Façades is manufactured by extrusion process featuring an asymmetrical patented profile with invisible gaps, solid body, smooth top surface and bottom grooves for the Magnet Clips.

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/cm3
Coefficient of Thermal Expansion	~0.0000114m/m ºC
Abrasion Resistance	~0.15 gr
Loading capacity (Exterpark Tech+Aluminum joists+Pedestals)	4000kg
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

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 live

relocation possibilities

REUSABLE

PROFILE & COLOURS

Dimensions: 13x145x2200 mm

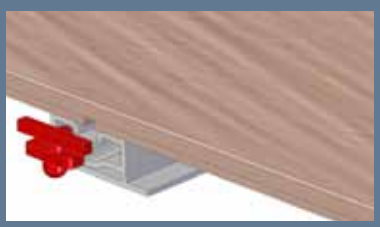
Antracita | Pizarra | Tierra | Terracota | Arena | Nieve

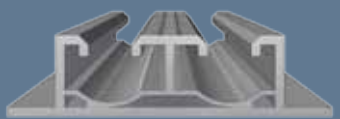
MAGNET INSTALLATION KIT

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 and Blocking Spacer:

Leave 4mm separation between boards for an optimum drainage. Blocking units ensure an excellent performance and prevent longitudinal misplacement.

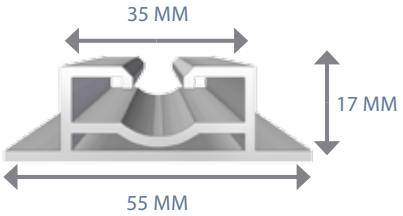


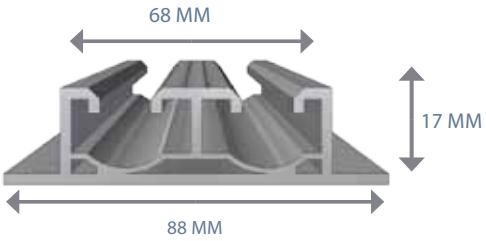


The Double click Joist for the short end connections is a must for the good performance of the product.

It has a 4mm indicative spacing mark for the expansion gap.

ALUMINUM JOISTS FOR WALLS





A SOLID ROCK FOUNDATION

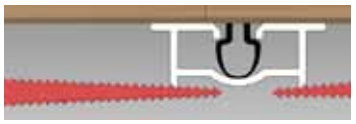
- Improved loading capacity to more than 4000kgs/sqm
- Superior mechanical properties to hold clips
- Upgraded stability: remain straight, will not warp or decay
- Enlarged service life
- Save costs and time by using less pedestals
- Fixed lengths of 2200mm

MAGNET TOOL

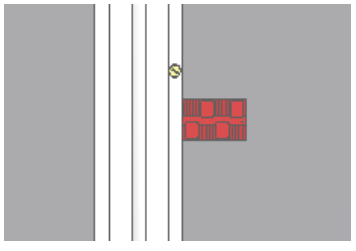
Opens boards in less than 5 seconds

WEDGES

From 5 mm and up to 25 mm



optimum assistance for unlevelled walls



the magnet®

EXTREME DURABLITY

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 °C to +90 °C
Density of ρ=1.410–1.420 g/cm3.
Melting point of 178 °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