

# Exterpark & the magnet®

Arguably best WPC decking available with two patented innovations

## DECKING REINVENTED

### TECH FEATURES

#### Competitive Advantages

Tech supreme has a balanced solid body made of 100% foamed pvc.

The invisible profile prevents impacts of objects such as chair legs or shoe heels to be stuck between boards.

#### Assets

- Patented profile with invisible gap
- Patented installation system: The Magnet
- Installation with no screws
- 100% accessible
- Easy installation and maintenance
- All-weather resistant
- Termite and insect-proof
- Low surface maintenance
- Barefoot friendly

#### Capping Material:

100% Acrylonitrile Styrene Acrylate Copolymer (ASA)

#### Core Material:

50% Foamed Polyvinyl Chloride(PVC)  
 40% Calcium Carbonate (CaCo3)  
 10% Chemical Additives

## TECH SUPREME

- Exterpark Tech Supreme with ultra matt shield wood grain.
- Patented invisible profile with no open gaps.
- Screwless installation patented magnet system.
- 100% accessible boards.

### MANUFACTURING

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

### OFICIAL PERFORMANCE TESTS

Loading capacity (Exterpark Tech Supreme + Aluminum joists+Pedestals) . . . . .	4000kg
Slip Resistance according to UNE-ENV 12633:2003. . . . .	Class 3Rd>45 <b>R12</b> (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 Exterpark magnet
Fire resistance (EN ISO 9239 / 11925, EN 13501) . . . . .	<b>B(fl)-S1</b>
Weathering Xenon Arc Exposure *2000Hrs . . . . .	Colour Change / Moderate Effect Chalking / No Effect Checking / No Effect Cracking / No Effect Blistering / No Effect Flaking / No Effect

### PHYSICAL AND MECHANICAL PROPERTIES

Modulus of Elasticity . . . . .	36,2 MPa
Hardness . . . . .	7144 N
Tensile Strength (ASTM D638) . . . . .	25,2 MPa
Flexural Strength (ASTM D7032 / D6109) . . . . .	22 MPa
Flexural Stiffness (MOE) . . . . .	1433 MPa
Water absorption . . . . .	~2,00%
Density . . . . .	1,39 gr/cm3
Coefficient of Thermal Expansion . . . . .	46,2·10 <sup>-6</sup> mm/mm/°C
Abrasion Resistance (ASTM D4060-14) . . . . .	~0,116 gr
Resistance to fungus . . . . .	Very Resistant
Low cost transportation . . . . .	30% lighter than normal composite



STANDARD PROFILE WITH OPEN GAPS

VS

EXTERPARK INVISIBLE PROFILE





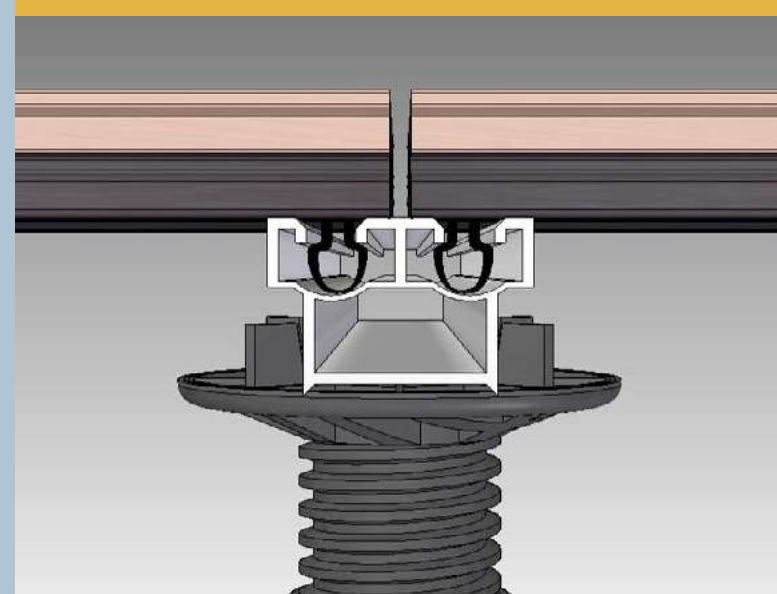
## ASSEMBLY

**easy** No screws

**fast** No predrilling

**silent** No tools

# COST-EFFICIENT



## TOTAL ACCESSIBILITY

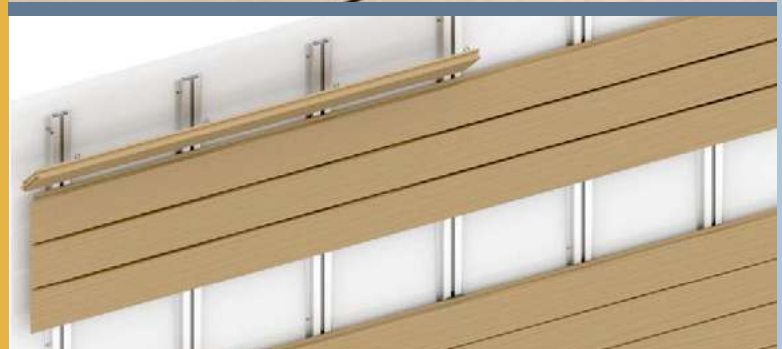
maintenance friendly

easy substitution of boards

enlarged service life

relocation possibilities

# REUSABLE

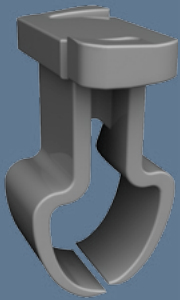
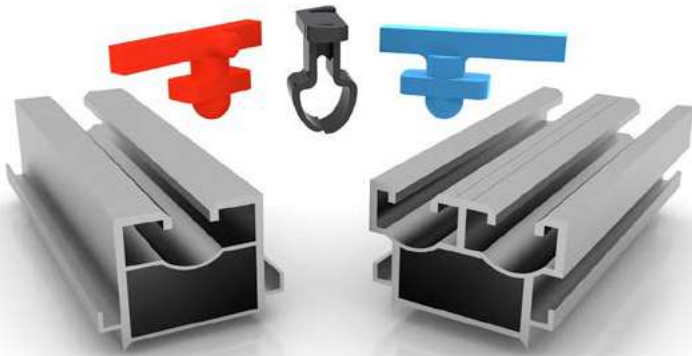


DIMENSIONS: 15X145X2200 MM  
20X145X2200 MM

## PROFILE & COLOURS



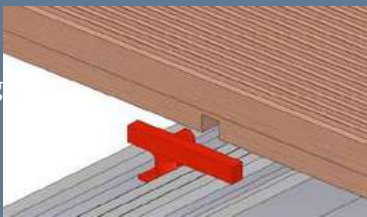
## MAGNET INSTALLATION KIT



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.



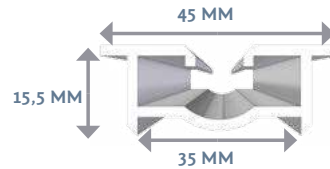
The **Double click Joist** for the short end connections is a must for the good performance of the product. It has a 4mm indicative spacing mark for the expansion gap.

### L profile / Edge Board:



## Aluminum Joists

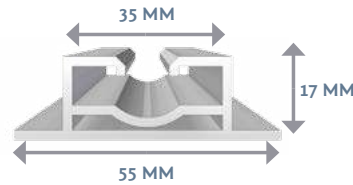
### LOW SIMPLE



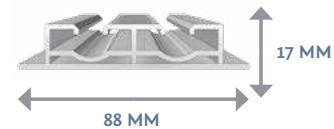
### LOW DOUBLE



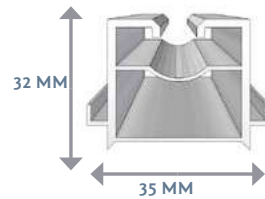
### WALLS



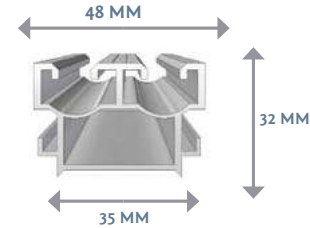
### WALLS DOUBLE



### SINGLE



### DOUBLE



## 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

### Height-adjustable pedestals



From 5 cm up to more than 1 meter

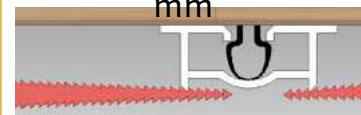
### Magnet tool

Opens boards in less than 5 seconds



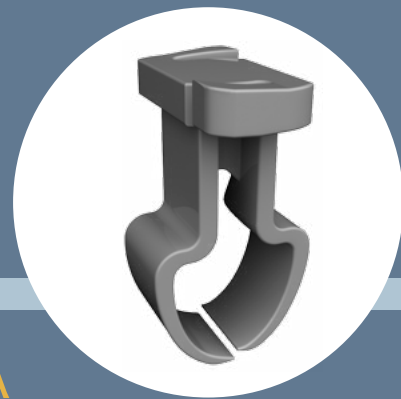
### Wedges

From 5 mm and up to 25 mm



# the magnet®

## DECKING REINVENTED



### 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**