

# exterpark & the magnet®

Arguably best WPC decking available with two patented innovations

## DECKING REINVENTED

### TECH CUBE(3)

- Shield capped wood grain surface.
- Patented invisible profile with no visible gaps.
- Screwless installation patented magnet system.
- 100% accessible boards.

#### TECH FEATURES

##### Recycled content

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

##### Composition

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



##### Shield protection

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



#### MANUFACTURING

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

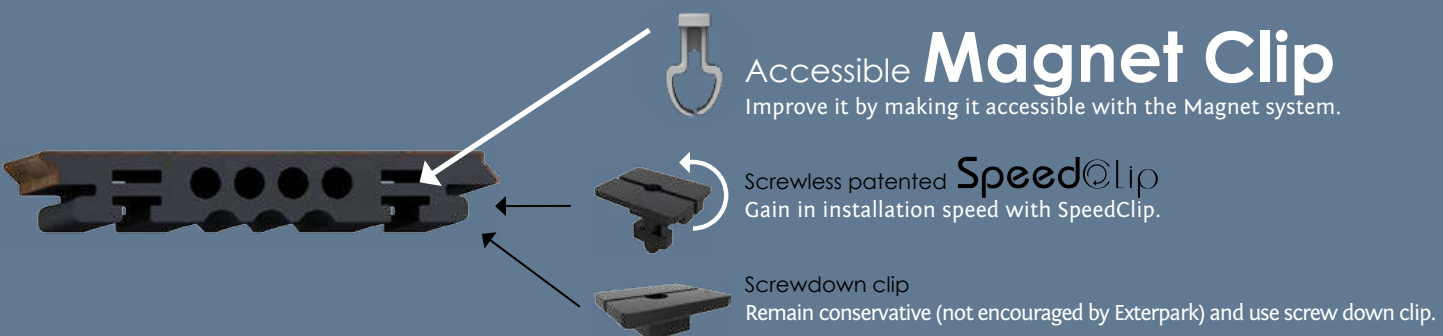
#### OFFICIAL PERFORMANCE TESTS

Loading capacity (Exterpark Tech Cube+Aluminum joists+Pedestals) . . . . . 4000kg  
Slip Resistance. . . Class 3Rd>45 (best class requested for outdoor flooring and humid areas) - **R10**  
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

#### PHYSICAL AND MECHANICAL PROPERTIES

Fire resistance . . . . . C(fl)-S1  
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

Tech Cube is the first combo wpc board designed to fit 3 different installations systems



Tech Cube is the only wpc board to combine 3 patented technologies in one deck system





# 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

### CLASSIFICATION FOR OUTDOOR SUITABILITY:

# F1

material meets both UV and water immersion requirements  
UL 746C

# -exterpark & the magnet<sup>®</sup>

## PROJECT REFERENCES EXTERPARK TECH CUBE

