

# exterpark & the magnet®

ARGUABLY BEST DECKING AVAILABLE WITH TWO PATENTED INNOVATIONS

## DECKING REINVENTED

## ELONDO FSC

Patented invisible profile with no open gaps, screwless installation patented magnet system with 100% accessible boards.

### WOOD FEATURES

**Botanic Name**

Chlorophora excelsa  
Milicia excelsa

**Commercial Name**

Elondo, Tali, African Oak

**Location**

Center, West and East Africa

**Wood Fitness**

Hard and dense wood types which are stable and suitable for outdoor exposure.

**Hardness**

Very Hard

**Grain**

Very Interweaved

**Colour**

Light brown with yellow-white to rose-white appearance (will fade to silver grey if exposed to U.V. rays)

**Density**

890-960 Kg/m<sup>3</sup>

**Certifications**

Elondo may be supplied under FSC Certification.



### EXTERPARK'S FINMANUFACTURING

All exterpark raw materials are kiln dried to achieve balance humidity level of 15-18% in individual processes which may last from one week to a month depending on current humidity contents and actual wood specie. Such balance humidity level is key to a good performance when interacting with changing outdoor weather conditions. All boards for flooring purpose will be manufactured in multiple lengths and tongue and groove at short ends to provide a suitable platform for a long lasting floor.

### PHYSICAL AND MECHANICAL PROPERTIES OF IPE

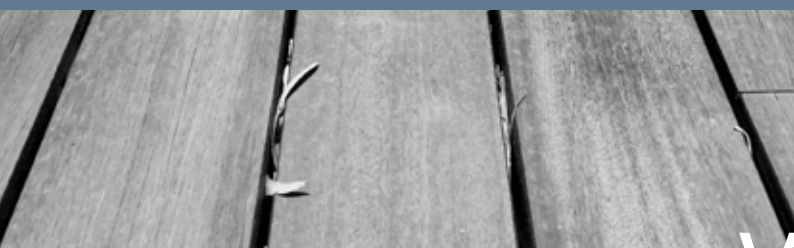
Contraction Coefficient.....	Volumetric 13.7-14.5% (0.53-0.67)
	Tangential: 8.3-9.2% (0.25-0.33)
	Radial: 5.1-5.4% (0.14-0.20)
Static Bending .....	120-177 N/mm <sup>2</sup>
Elasticity Module.....	13.000 - 19.000 N/mm <sup>2</sup>
Axial Compression .....	75 - 86 N/mm <sup>2</sup>
Perpendicular Compression .....	17 N/mm <sup>2</sup>
Shear.....	10 N/mm <sup>2</sup>
Durability.....	veru resistant against the action of fungui , termites and xylophagi
Compression .....	.4000kg/sqm
Windlift Test .....	withstands more than 315km/hr

### FINISHING

Exterpark boards can be pre-oiled at our factory

- Full protection of board on all sides
- No concern about exposure to humidity during fit out
- Gain in stability and durability
- Improved resistance to environmental adversities

Cabot oil can be supplied for maintenance purpose after colour fading due to uv exposure.



VS

STANDARD PROFILE WITH OPEN GAPS VS EXTERPARK INVISIBLE PROFILE





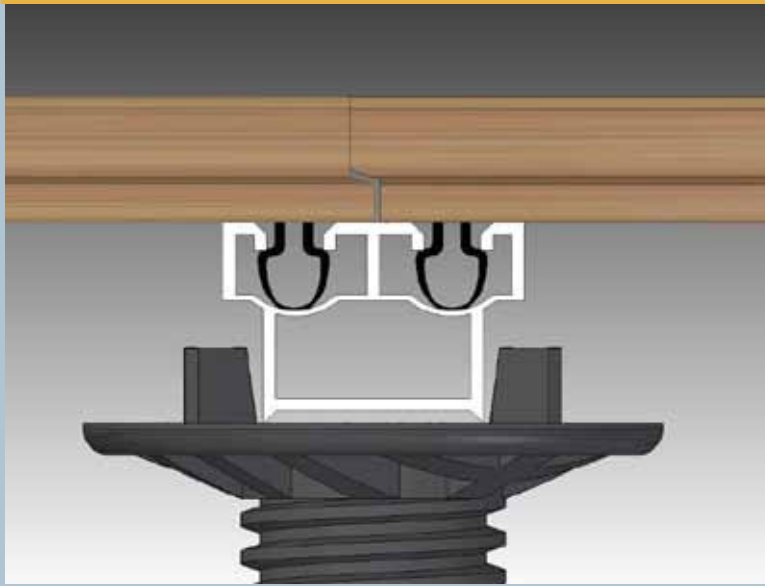
## ASSEMBLY

**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



Note: pictures in this page may not be representative of the wood specie stated in the first page due to that these are to show the system's core advantages

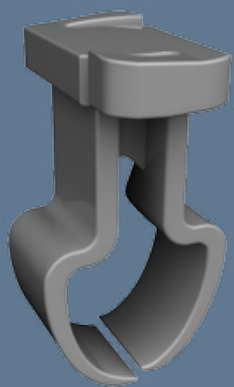
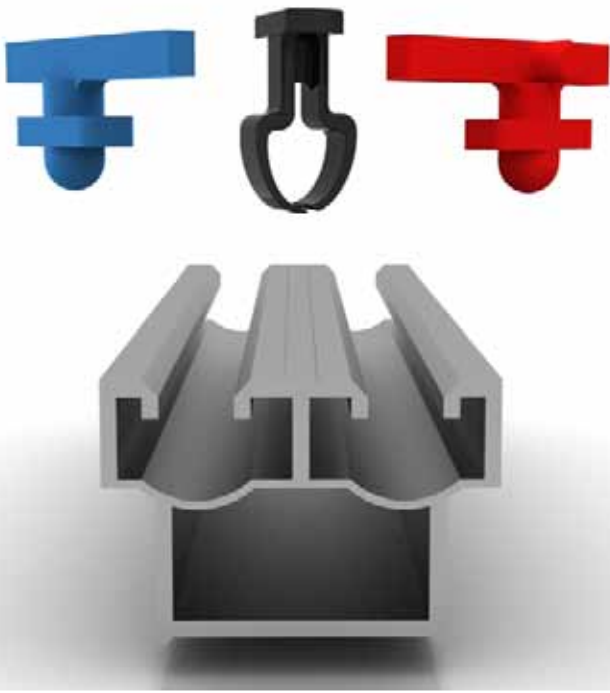
# PROFILE & DIMENSIONS

More solid | Greater wear surface | More stable | More resistant and durable

21x95-100 mm  
28x115-120 mm  
35x145 mm



## 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.

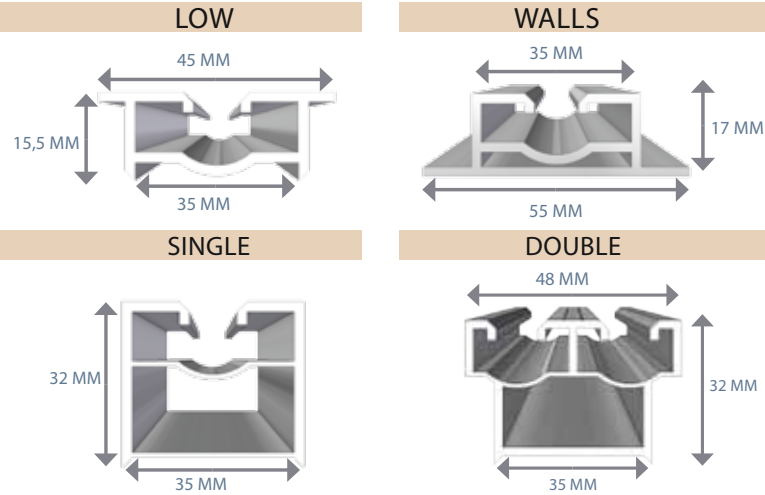
**Spacer:** Leave 4mm separation between boards for an optimum drainage.

**Blocking Spacer:** Ensure an excellent performance of the wood and at the same time prevent misplacement.

**Double Joists:** Under each short end secures the board ensuring a long lasting intallation.



## ALUMINUM JOISTS



### 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



### CROSS JOIST

Exterpark latest contribution to a better installation and long lasting deck.



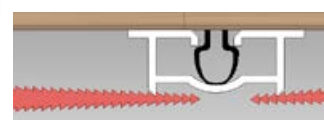
### MAGNET TOOL

Opens boards in less than 5 seconds



### WEDGES

From 5 mm and up to 50 mm





# the magnet®



## 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 loa		
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