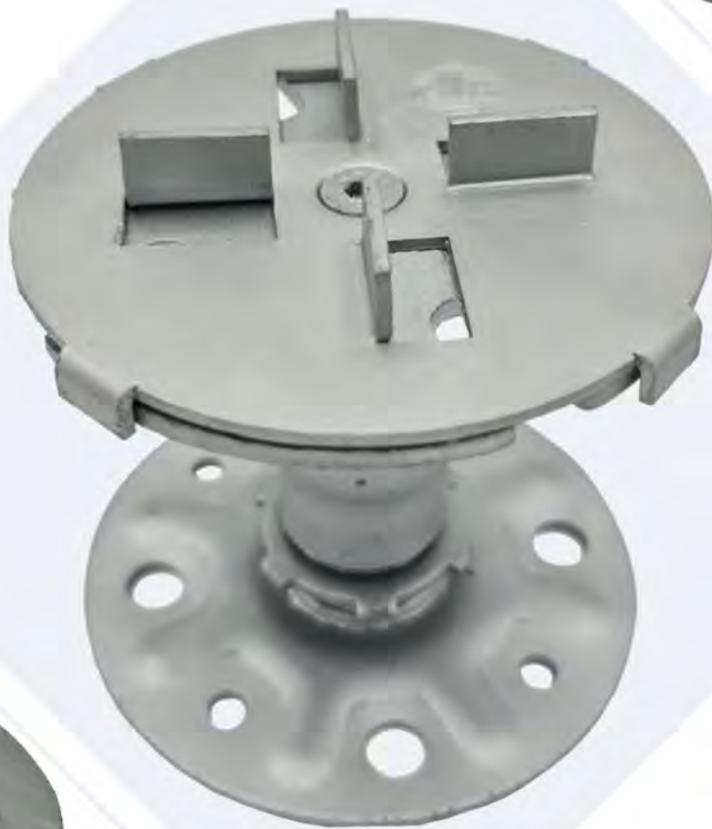




METALPAD EX

**The Cost Effective Class A
Fire Rated Pedestal**



CONTENTS

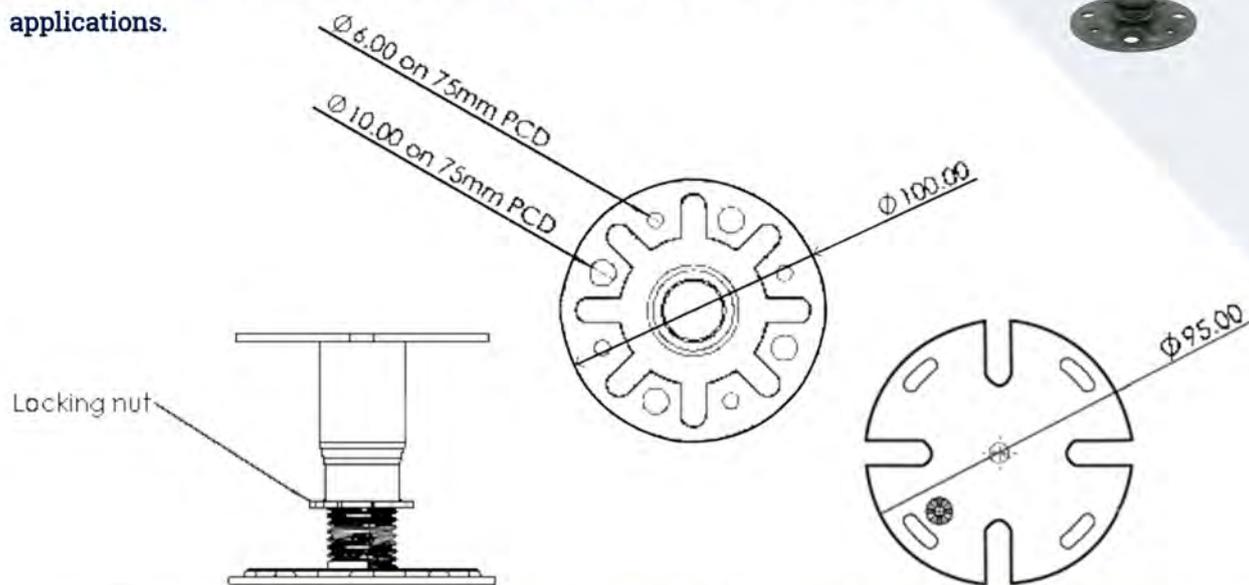
- **Introduction to MetalPad Ex**
 - **Key Benefits of the MetalPad Ex**
 - **Paving Headpiece**
 - **Self Levelling Headpiece**
 - **Rail & Crucifix Headpiece**
 - **Spreader Plate & Aluminium Rails**
 - **Substructure - Decking & Paving**
 - **Accessories & Connections**
 - **Height Range**
- 

METALPAD EX

New Building Safety Legislation means balconies on all buildings over 18 metres (soon to be 11 metres) must be constructed completely from non-combustible material.

DCLG Regulation, Approved Document Part B and BS 8579 state the fire safety rules regarding anything deemed "attached to a building" and this includes balconies and some terraces. Therefore, everything on a balcony including the substructure has to be Class A as defined in EN 13501-01 and EC Decision 96.

Wallbarn presents METALPAD EX – the new cost effective Class A pedestal and substructure system for non-combustible paving and decking applications.



MetalPad EX comes as a flat headed pedestal as standard. They will support paving and decking systems for pedestrian spaces including balconies, roofs, podiums and terraces. A number of headpiece options are available which click quickly and easily into place. Each pedestal is fully adjustable. Simply twist the telescopic stem by hand to raise or drop the height.

The pedestals are covered in a special Zintec 200 coating to ensure long-term protection from outdoor exposure.

The base plates have drainage holes to allow water to drain freely and prevent ponding. These holes can also be used as anchoring points should installers wish to mechanically fix the pedestals into the sub-surface.

See more product details - [Click Here](#)



METALPAD EX KEY BENEFITS

- Head of the pedestal is 95mm with multiple headpieces available, for paving or decking projects
- Class A rated (EN 13501-1:2018), fully compliant with BS 8579
- Threaded stem for millimetre precise height adjustment
- Part of a comprehensive substructure support system
- Special Zintec 200 coating for exterior applications
- Suitable for use in any temperature or weather
- Adjustable even at very low height thresholds
- Height range from 26mm to 375mm
- * *Larger Heights available by special order - Ask for details*

See more product details - [Click Here](#)



METALPAD EX HEADPIECES

PAVING

The Paving headpiece is designed to seamlessly attach to the MetalPad Ex Pedestal without mechanical fixing, offering a practical and efficient solution for securing tiles or slabs. The headpiece's lugged design not only holds the tiles or slabs firmly in place but also ensures adequate drainage by providing gaps between them.

Crafted from galvanised steel and coated with Zintec 200, the headpiece protects against rust and corrosion, ensuring long-term durability. Complying with the highest safety standards, it meets the Class A fire rating. Various lug positions on these headpieces simplify the tile positioning process, accommodating different layout patterns such as brickwork or stretcher bond.

See more product details - [Click Here](#)



METALPAD EX HEADPIECES

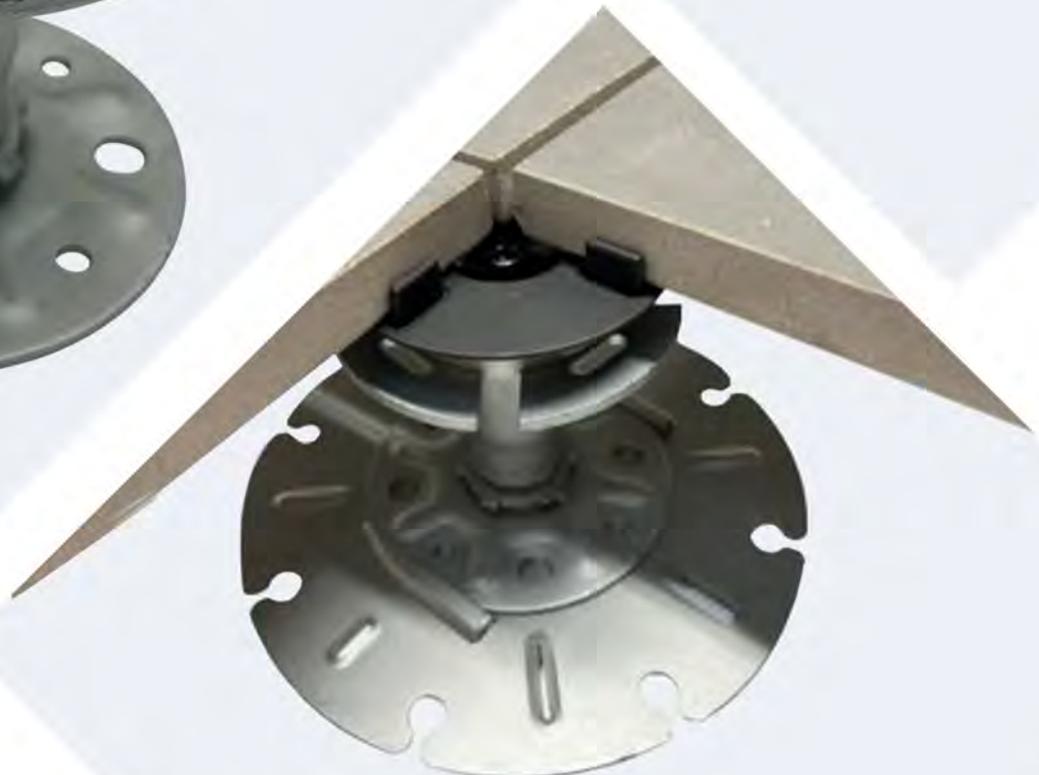
SELF LEVELLING

The MetalPad EX range features an innovative special Self-Levelling/Slope Corrector headpiece that securely connects to the pedestal, offering up to 5 percent of slope correction in all directions.

These headpieces are designed with a lugged structure that not only ensures tiles or slabs are securely held in place but also automatically adjusts to create a perfectly flat upper surface.

They contain no non-metallic elements, allowing them to meet the stringent Class A fire rating standards, thereby ensuring both functionality and safety.

See more product details - [Click Here](#)



METALPAD EX HEADPIECES

RAIL HEADPIECE

The Rail Headpiece, designed to securely attach to the MetalPad Ex Pedestal with a central screw, securely holds a box rail, creating a comprehensive Class A fire-rated substructure.

Crafted from high-grade aluminium 6063 T6, its quality is assured. It can also accommodate Wallbarn's aluminium rails/joists, forming a robust substructure suitable for decking or paving.

This headpiece can be used as a standalone product where a substructure system is to be placed on a steel structure rather than a solid subfloor. These headpieces can be secured to the steel beams, which can then support a Class A box rail for decking or paving to sit on.

See more product details - [Click Here](#)



CRUCIFIX

The Crucifix tile spacer is the simplest solution for paving. It clicks into the small hole in the centre of the headpiece, creating a four-way separator and ensuring a consistent 3mm gap between tiles. The crucifix is made from anodised aluminium for long-term durability and performance.

The lugged headpiece securely holds the tiles/slabs while also providing a gap for drainage between each of the tiles or paving slabs.

See more product details - [Click Here](#)



SPREADER PLATE

The standard baseplate of the MetalPad EX has a diameter of 100mm, making it suitable for installation on hard sub-surfaces like concrete. However, for mounting pedestals directly onto softer surfaces, such as insulation or waterproof membranes, the use of an additional spreader plate is recommended.

The pedestal fits into the slots on the top side of the spreader plate and locks into place. This spreader plate has a diameter of 185mm and features a smooth underside, designed to diffuse and distribute the weight effectively.

See more product details - [Click Here](#)



ALUMINIUM JOISTS CONNECTS TO METALPAD EX

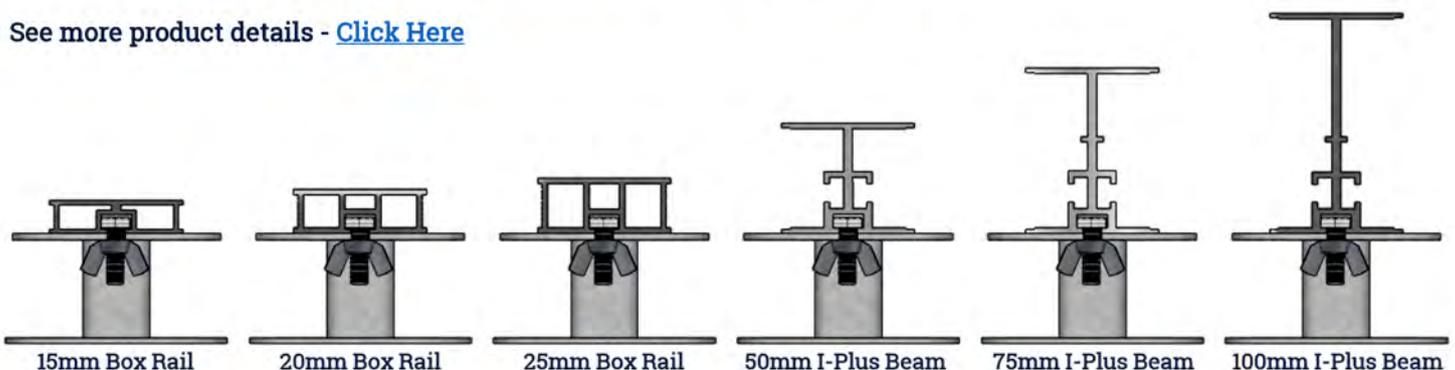


All of Wallbarn's aluminium Rails can be securely fixed to the MetalPad Ex pedestal by using our M8 Wing Nut Kit. These aluminium rail and profile designs give extra height options and greater flexibility when building solid terrace substructures.

The three available sizes for Box Rails are ideal for where low height threshold systems are required. The I-Plus Beams are ideal for larger heights.

These rails are easy and fast to fix together and come with a variety of specialist fixings which secure the system together simply and without the need for excessive cutting or drilling on site.

See more product details - [Click Here](#)



15mm Box Rail

20mm Box Rail

25mm Box Rail

50mm I-Plus Beam

75mm I-Plus Beam

100mm I-Plus Beam

FOR DECKING

The MetalPad EX can be paired with our profiled aluminium joists to construct a robust substructure frame, capable of supporting decking boards and forming a complete Class A decking system.

To assemble, simply attach the rails/joists to the headpiece using the provided M8 Wing Nut Kit.

The decking boards should then be installed at right angles to the joists, maintaining the spacing recommended by the decking board manufacturer.

FOR PAVING

This system achieves a Class A rating and is specifically designed for fitting porcelain tiles and paving slabs. The paving headpiece, compatible with all Wallbarn aluminium rails, can be easily slid along the rail to achieve precise tile alignment. When necessary, this headpiece can be secured to the rails with a screw for additional stability.

Aluminium rails are secured to Metalpad EX pedestals using M8 wing nuts, ensuring solid support for the slabs and tiles while enhancing lateral strength across the deck.

This configuration not only facilitates quicker installation for suspended paving and tiling projects but also enables longer distances between pedestals, thanks to the weight-bearing joists.

These joists link the pedestals and can be swiftly and easily connected using clips and fixings.

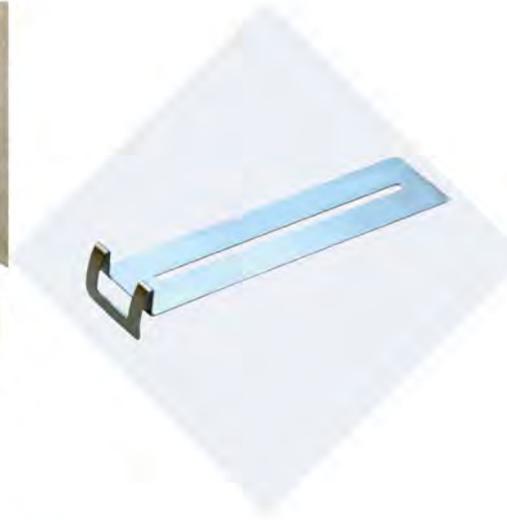
Additionally, the system is designed with pedestal placement flexibility in mind, simplifying the process of working around uneven membrane surfaces or sub-floor challenges such as plinths, vents, or drains, ensuring a seamless and sturdy installation.



ACCESSORIES

Metal Edge Plate

The Edge Plate is designed to ensure a sufficient gap between the edge of the paving and the parapet wall. It is loose-laid onto the headpiece, with the weight of the slab securely anchoring the system in place.



Ventus Uplift Bracket

The Ventus bracket effectively binds tiles or slabs together, creating a cohesive and stable platform. This significantly lowers the risk of individual tiles being dislodged by strong winds.

Additionally, the system is user-friendly, allowing for straightforward installation and removal.



CONNECTIONS

M8 Bolt & Wing Nut for Pedestal

Wallbarn offers an M8 Wing Nut Kit, designed for swift and easy hand-tightening connections between any of Wallbarn's aluminium rails/joists and the MetalPad Ex pedestal.

This kit significantly accelerates the installation process, making it quicker and more efficient.



M8 Bolt & Wing Nut for Brackets

The M8 Wing Nut Kit, also works with our brackets, that facilitates the joining of Wallbarn's aluminium rails, either end to end (with straight plates) or at right angles.

This versatility ensures a comprehensive connection throughout the substructure, enhancing stability and structural integrity.



HEIGHT RANGE

The MetalPad Ex offers a broad height range, making it perfectly suited for both low and high threshold applications in fire-rated paving or decking projects.



26 to 35mm



30 to 40mm



40 to 50mm



50 to 70mm



60 to 90mm



75 to 115mm



110 to 185mm



185 to 260mm



250 to 325mm



300 to 375mm

HEIGHT EXTENSION PER HEADPIECE

Crucifix



No height added

Paving



Adds 2mm

Rail



Adds 4mm

Self Levelling



Adds 18mm

NON-STOCK HEIGHT RANGE

The above pedestal heights are stock items, but we also offer larger heights on request. Special order pedestals will be subject to a longer lead time. Please contact us to learn more and discover how we can assist with your project.

Other heights available on order:

• 350 to 425mm • 400 to 475mm • 450 to 525mm • 500 to 575mm • 550 to 625mm • 600 to 675mm



*Class A Solutions for
Rooftop Living*

www.wallbarn.com

+44 (0)20 8916 2222

[**sales@wallbarn.com**](mailto:sales@wallbarn.com)