



# METALPAD

The Fully Tested  
Class A Non-combustible Pedestal

Made from Steel  
Specially designed  
Fit-for-purpose



Adjustable pedestals for fire rated exterior paving & decking systems

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# METALPAD

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

Approved Document Part B & BS 8579 state the rules regarding anything deemed “attached to a building” and this includes balconies and some terraces.

Wallbarn have designed, developed and manufactured from galvanised steel the MetalPad to meet Class A to EN 13501-01 standard.

Therefore, everything on a balcony including the substructure has to be Class A, non-combustible.

MetalPad has been physically tested in accordance with BS EN 13823:2020.



## IT HAS:

- Zero plastic components
- Zero rubber components
- No “gaskets”

MetalPad Class A non-combustible pedestals are fully adjustable. Simply twist the telescopic stem to raise or drop the height. For very fine adjustment a spanner can be used on the specially designed platform immediately beneath the headpiece.

## METALPAD HAS THE FOLLOWING BENEFITS:

- MetalPad is a 100% full metal pedestal, with no plastic or rubber elements
- Solid stem, not hollow, for increased strength
- Normal weight tolerance of over 1 tonne each, break point over 2 tonnes
- Threaded stem for millimetre precise height adjustment – adjustment while paving / joist is in situ
- Large height range from 25mm up to 500mm
- 150mm diameter circular baseplate giving greater lateral stability
- Baseplate has a smooth underside and edges to prevent digging into subsurface

The Wallbarn Class A adjustable pedestals have been developed from scratch, not adapted from products used in different fields.

HEIGHT RANGE  
from 25mm  
up to 500mm

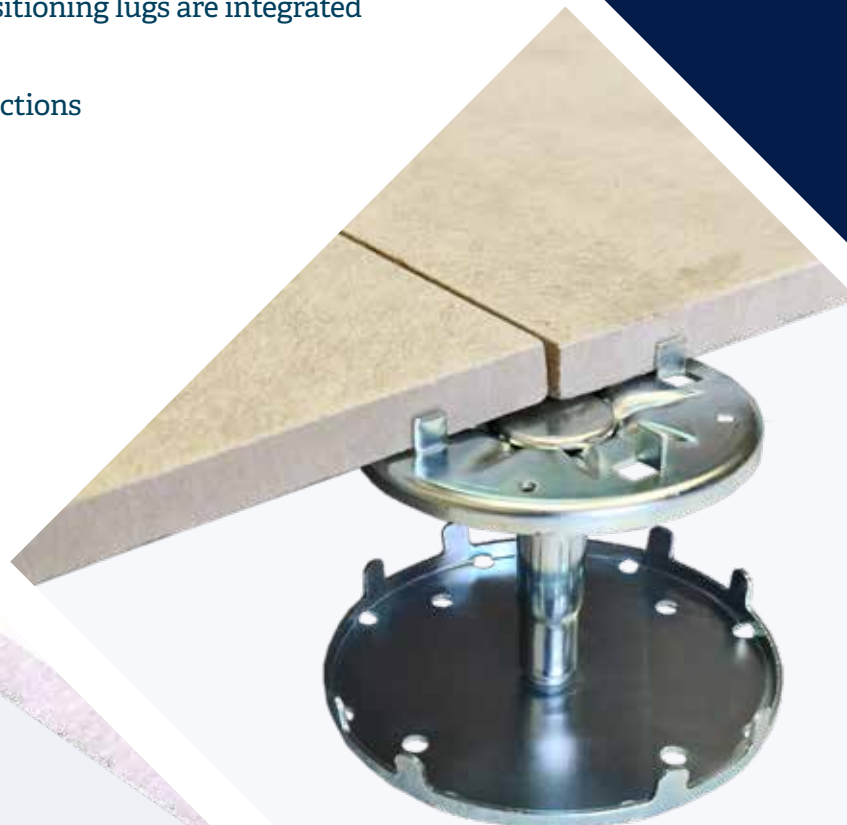
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## FOR PAVING

Wallbarn has used its extensive knowledge and experience in supplying suspended paving systems to develop a Class A version for paving onto balconies and terraces.

## METALPAD FOR PAVING ADVANTAGES

- The pedestals are manufactured from 2mm thick galvanised sheet steel. The adjustable threaded stem is solid, giving very high weight tolerance
- The baseplate is circular and 150mm diameter which gives greater lateral stability and distributes weight evenly
- The underside is smooth to prevent damage to the membrane beneath
- The perimeter of the baseplate is rounded to avoid sharp edges and also eliminate any chance of puncturing the sub-deck
- The headpiece is circular and 120mm diameter which gives adequate surface area for tile to rest on
- The lugs are either 2mm or 4mm thick and integrated into the steel headpiece
- There are no brackets or “gaskets” clipped on. Positioning lugs are integrated into the headpiece
- The headpiece is self-levelling up to 5% in all directions



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# FOR DECKING

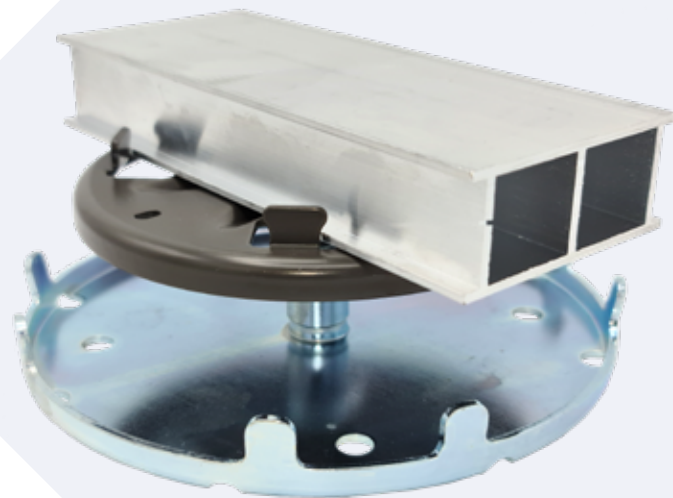
MetalPad for Decking is designed to connect to Wallbarn's specially profiled aluminium joist to create a solid substructure.

## FIRE RATING

- MetalPad is made from stainless steel
- Headpiece is powder coated to prevent reaction between steel and aluminium
- MetalPad for Decking is rated Class A2s1-d0
- Independently tested by Warrington Fire via a physical fire test in accordance with BS EN 13823:2020

## REPORT FOUND:

- Lateral Flame Spread to End of Specimen? **NONE**
- Fall of Flaming Drop/Particle. **NONE**
- Flaming of Fallen Particle Exceeding 10s? **NONE**



# HEADPIECE DESIGN

- Curved lugs located towards the outer edge of headpiece
- Lugs click around ledges on Wallbarn profiled aluminium joist for secure fitting
- Decking boards fixed to profiled aluminium rail
- Substructure requires no screws, mechanical fixings or drilling
- Allows for lateral movement of joist – expansion proof, no rupturing, no stress points
- Self-levelling headpieces for smoother upper surface



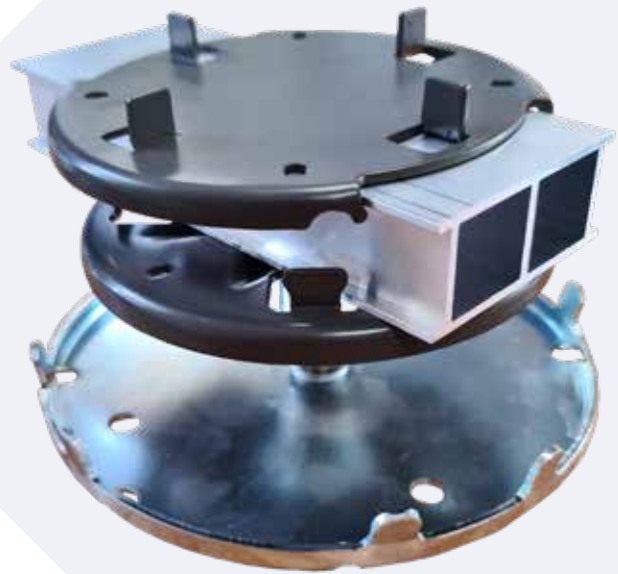
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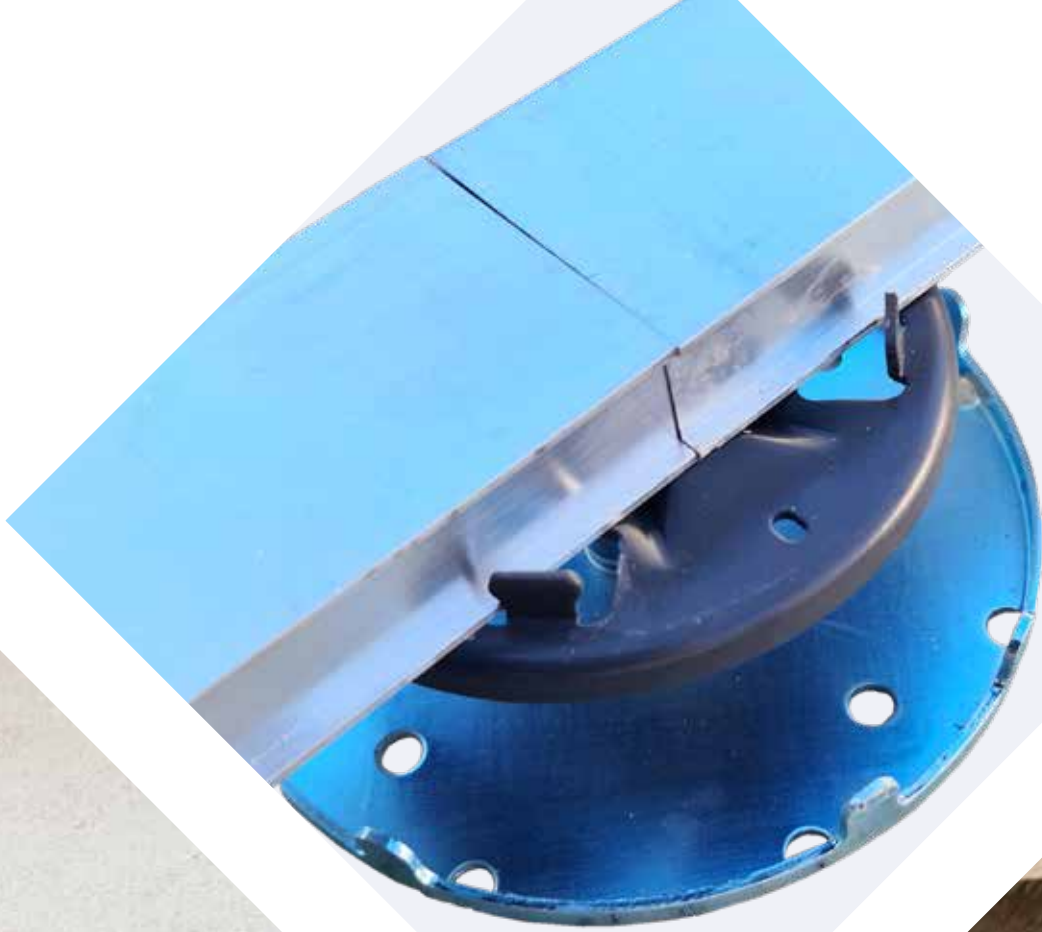
# CLASS A SUBSTRUCTURE SYSTEM

MetalPad for Decking can be used with the profiled aluminium joist and an additional steel headpiece to create a Class A substructure.

A fully integrated Class A2-s1,d0 Pedestal-and-Rail system.

- Profiled bearer rails / joists click onto headpiece of Metalpad
- Additional top headpiece clicks onto joist to hold tile in place
- Top headpiece is powder coated and fully fire tested to meet regulations and prevent reaction between steel and aluminium
- Significant weight bearing and lateral stability
- Faster installation of suspended paving and tiling projects
- Joist helps “tie together” pedestals, giving more lateral strength across the decking surface
- Greater spans between pedestals possible – up to 1 metre apart
- Less pedestals per m<sup>2</sup> leading to cost savings
- Clip head slides along rail to fit tile dimensions
- Tiles are held securely and accurately
- Fast, safe, secure construction of substructure







MetalPads are the comprehensive fit-for-purpose Class A non-combustible solution.

APPLICATION	PAVING		DECKING
PEDESTAL MATERIAL	2mm thick Galvanised Steel		
MATERIAL HEAD	Galvanised Steel	Powder Coated Stainless Steel	
APPLICATION	Above 18 metres high balconies & terraces, flat roofs & podiums		
	Approved Doc B (Amended) Volume 2:2019; BS 8579: 2020		
FIRE RATING	Class A1	Class A2-s1,d0	
	EN 13501:2018 ; EC Directive 96	EN 13501: 2018; BS EN 13823:2020	
HEIGHT RANGE	MetalPad for Paving - 25-32mm	MetalPad for Decking - 25-32mm	
	MetalPad for Paving - 32-39mm	MetalPad for Decking - 32-39mm	
	MetalPad for Paving - 39-46mm	MetalPad for Decking - 39-46mm	
	MetalPad for Paving - 46-53mm	MetalPad for Decking - 46-53mm	
	MetalPad for Paving - 53-70mm	MetalPad for Decking - 53-70mm	
	MetalPad for Paving - 70-100mm	MetalPad for Decking - 70-100mm	
	MetalPad for Paving - 100-140mm	MetalPad for Decking - 100-140mm	
	MetalPad for Paving - 140-220mm	MetalPad for Decking - 140-220mm	
	MetalPad for Paving - 220-300mm	MetalPad for Decking - 220-300mm	
	Class A MetalPad - Paving - 280-360mm	Class A MetalPad - Decking - 280-360mm	
	Class A MetalPad - Paving - 350-430mm	Class A MetalPad - Decking - 350-430mm	
Class A MetalPad - Paving - 420-500mm	Class A MetalPad - Decking - 420-500mm		
WEIGHT TOLERANCE NORMAL	1,000 kg per unit		
BREAK POINT	>2,000 kg per unit		
BASEPLATE DIAMETER	150mm diameter		
HEADPIECE DIMENSIONS	120mm diameter		
LUG WIDTH	2mm / 4mm	2mm	
LUG / LEDGE HEIGHT	10mm	10mm	
FIXING POINTS	n/a	n/a	
HEADPIECE INTERFACE	Any straight edge tile / concrete / stone slab	Wallbarn special profile extruded aluminium rail / joist	
RAIL DIMENSIONS	20mm x 60mm x 2000mm	25mm x 60mm x 2500mm	50mm x 60mm x 2500mm
RAIL THICKNESS	2mm	2mm	3mm
MATERIAL	EXTRUDED ALUMINIUM AE 603-T6 (EN 755-1:2016)		
MAX DISTANCE BETWEEN RAILS BASED ON 600KG PER m <sup>2</sup> LOADING	600mm	600mm	1,200mm (recommended 900mm)

## Class A solutions for balcony living

