



Class A Fixed Height Pedestals - Technical Datasheet



The Wallbarn Class A Fixed Height Pedestal is engineered for both decking and paving projects, including flat roofs, podium decks, balconies, terraces, and walkways. Perfect for situations requiring paving or decking to be elevated above the subfloor for improved drainage, these pedestals are excellent for setting up a suspended support system in areas with very low height thresholds. Each of these pedestals have a recommended maximum weight tolerance of 10,000kg.

PHYSICAL AND CHEMICAL PROPERTIES

	10mm Fixed Height	15mm Fixed Height	20mm Fixed Height
Profile			
Material	Aluminium 6063 T6	Aluminium 6063 T6	Aluminium 6063 T6
Weight	0.062kgs	0.068kgs	0.074kgs
Height	10mm	15mm	20mm
Width	93mm	93mm	93mm
Length	60mm	60mm	60mm
Fire Classification	Class A1 BS EN 13501-1 2018		
Weight Tolerance	209.24 kN (Approximately 21392 kg) Go to Test Report		

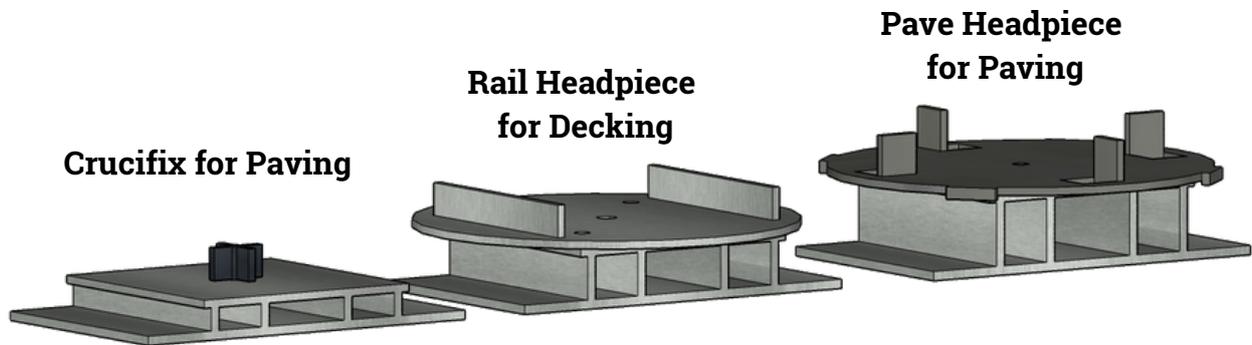


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Compatible Headpieces

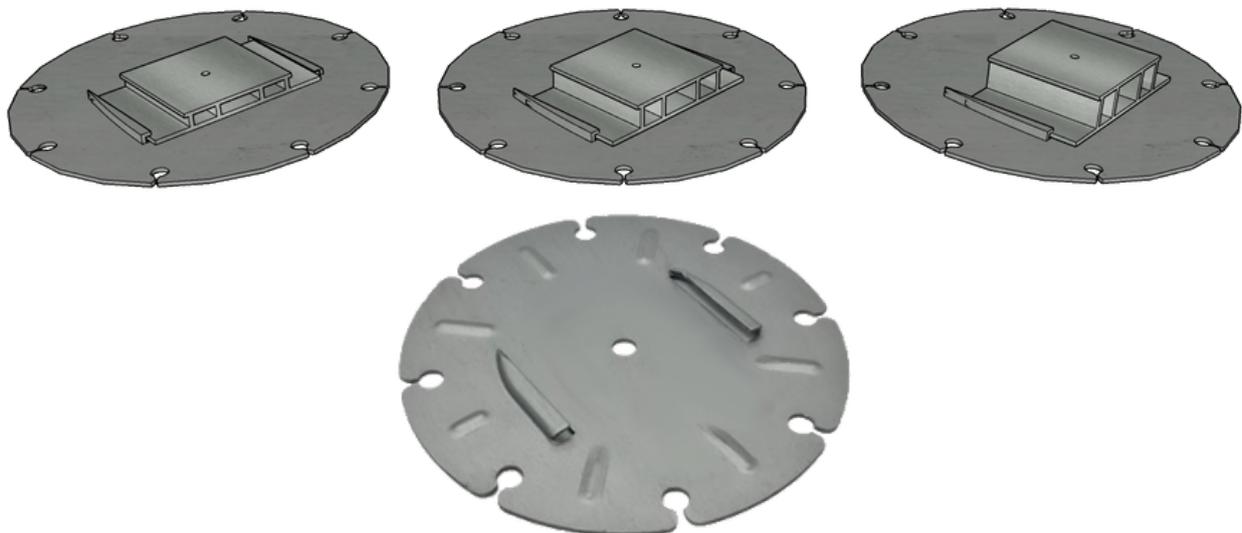
For paving, two options are available. The first, and more economical, is the drop-in Crucifix that secures tiles/slabs in position while also creating a drainage gap between them. Alternatively, the Paving Headpiece can be attached to the pedestal with a single screw, adding 3mm to the system's total height.

For decking applications, the Rail Headpiece is used, compatible with Wallbarn's aluminium joist or any box rail/joist up to 60mm wide, also adding 3mm to the system's height.



Optional Spreader Plate

These pedestals are suitable for hard subfloors such as concrete. For vulnerable subfloors such as insulation, the Wallbarn Spreader Plate is available to reduce point loading significantly and disperse weight over a 185mm diameter.



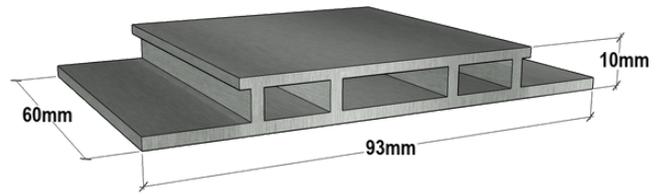
Wallbarn Ltd
Unit 16 Capital Business Centre
22 Carlton Road, South Croydon. CR2 0BS

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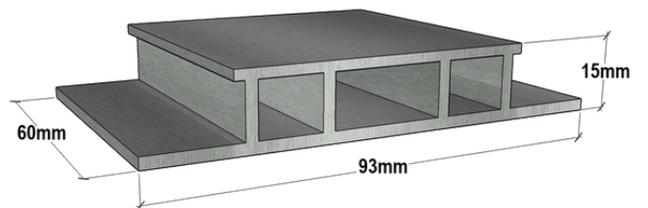
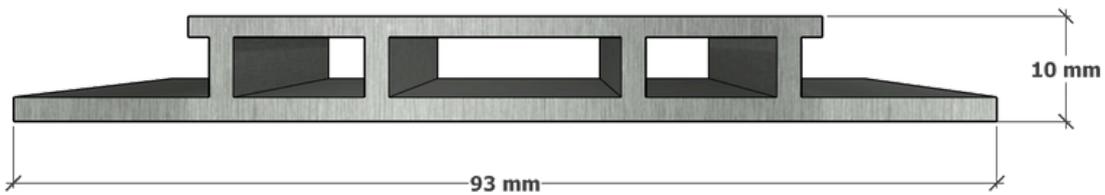
Phone : 020 8916 2222 Email : sales@wallbarn.com Website : www.wallbarn.com



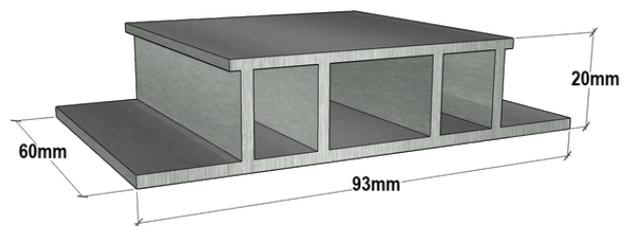
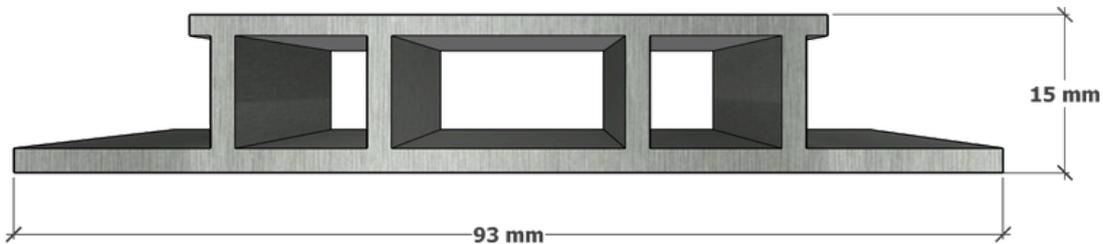
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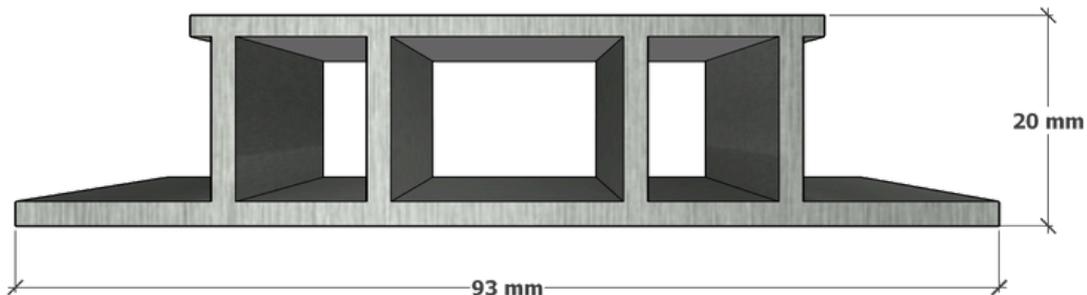
10mm



15mm



20mm



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Appendix A :

TEST CERTIFICATE

LOAD TESTING IN ACCORDANCE WITH THE CLIENT'S SPECIFICATION



On Wallbarn Limited,
3 Hagley Court North, The Waterfront, Dudley, West Midlands, DY5 1XF

PROOF LOAD TESTING STS LABORATORY

TEST DESCRIPTION: A weight tolerance test was conducted on various pedestals. Testing was completed using a jack to apply a vertical compressive load centre to the product, to confirm structural performance and determine load failure limit. All testing was carried out in accordance with the client's specification.

REF NO.:	DR-5744	DATE TESTED:	15 th May 2024
JOB NO.:	P10259	CERTIFICATE DATE:	24 th May 2024
CERTIFICATE NO.:	IC11714	SUPPLIER/SOURCE:	Client

TEST DETAILS:

Product Tested:	Various Pedestal Samples (See table Below)	Item Condition:	New
Target Loads:	Failure	Ambient Temperature:	18°C
Test Location:	STS Laboratory	Procedure or Method:	Client's Specification

TEST RESULTS:

Test Product	Product Material	Load Achieved (kN)
26 – 35mm Pedestal	Steel	53.67
185 – 260mm Pedestal	Steel	49.86
26 – 35mm Pedestal with Spreader Plate	Steel	70.69
185 – 260mm Pedestal with Spreader Plate	Steel	129.53
10mm Fixed Height Pad	Aluminium	209.24

ANALYSIS:

Testing was completed with each individual pedestal obtaining failure loads. Following this, the highest load achieved at failure was the 10mm Fixed Height Pad, achieving a load of 209.24kN before failure. The 185 – 260mm Pedestal obtained the lowest load achieved, with 49.86kN before the product began to deform. All testing was completed within the client's specification.

For Specialist Technical Services (U.K) Limited		The results found on this Certificate relate only to the product[s] tested as described above This Test Certificate shall <u>not</u> be reproduced except in full QC: TC001 – Test Certificate – v4.0 Page 1 of 1
Approved By: Andrew Gore		
Position: Technical Director		
Signature:		

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