



CLASS A1 ALUMINIUM RAIL & PEDESTAL SUBSTRUCTURE SYSTEM



Material	Aluminium 6063T6			EN 755-9 ; BS EN 1991-1-1, ed. 2002
To Use With Pedestal	MetalPad for Decking			
	Megapad Clip head			
	Mega Balance Clip head			
Fixing Detail	Click function - zero mechanical fixings			
Fire Classification	Class A1			BS EN 13501-1 2018
				European Commission Decision 96-603-EC
				B ROOF T4
				Approved Document B, Regulation 7 (2)
Balcony construction suitability	> 18m			BS 8579
Weight tolerance per m2	600kg			
Height of rail / bearer	20mm	25mm	50mm	
Maximum span between pedestals	60 x 40cm	60 x 60cm	90 x 120cm	based on 600kg per m2 weight
Maximum deflection at span above	< 5 mm			
Weight per lin mtr	0.9kg	0.988kg	1.998kg	
Exterior circumference		184.96mm	234.97mm	
Interior circumference		175.30mm	261.32mm	
Thickness of walls / floor	2mm	2mm	3mm	
Outer height	20mm	25mm	50mm	
Inner height	16mm	21mm	46mm	
Outer width	60mm	60mm	60mm	

APPLICATION
FOR TILING
<p>Three part suspension suspension system for laying porcelain tiles. Creates lateral stability for self-supporting tiles manufactured for the purpose of elevated paving and tiling applications.</p> <p>Pedestals should be positioned a maximum of 600mm apart and specially designed aluminium bearer / rail clipped into place onto the headpiece by way of four shelves / wings which click into the clips on the headpiece without the need for mechanical fixings or drilling into metal rail.</p> <p>A further headpiece is attached to the rail to hold the porcelain tile in place between positioning lugs moulded into the design. Anti-slip shims are integrated into the headpiece to improve placement of the tiles.</p> <p>Installers should always ensure the tiles being installed are specifically designed for the purposes of elevated tiled applications and manufactures should be contacted to confirm tiles can span 600mm distance unsupported.</p>
FOR DECKING
<p>Two part suspension suspension system for laying decking. Aluminium rail becomes the bearer / joist for decking boards. Creates ultra low height profile for decking applications through low height joist.</p> <p>Pedestals should be positioned a maximum of 400mm apart and specially designed aluminium bearer / joist clipped into place onto the headpiece by way of four shelves / wings which click into the clips on the headpiece without the need for mechanical fixings or drilling into metal rail.</p> <p>Decking boards are mechanically fixed to the aluminium bearer / joist.</p>