

Pedestals offer great flexibility for installation and can be used for decking and paving. They are especially helpful where the installation is close to ground level, pedestals can be used for build ups from 17mm up to 1000mm.

Please note that for composite decking we recommend the installation be at least 100mm above ground level. Pedestals also provide for good air movement under a deck provided ventilation points are installed.

# PEDESTALS

BY WHITERIVER

**SOLIDOR** a European manufacturer of high quality pedestals for decking and concrete paving. The pedestals can be continuously adjusted in height from 17mm to 1000mm. The durability of the plastic and the solidity of the construction guarantee a smooth installation in all circumstances, and an unprecedented supporting power.



Made From Recycled Material



Weatherproof



Temperature Resistant between -25° / +70°C



Certificates CSTC / CSTC No., DE, ATA



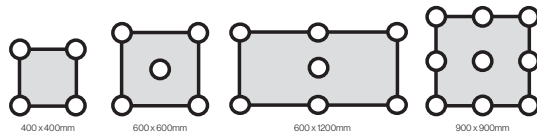
Load Bearing 800kg per Pedestal



PP Compound

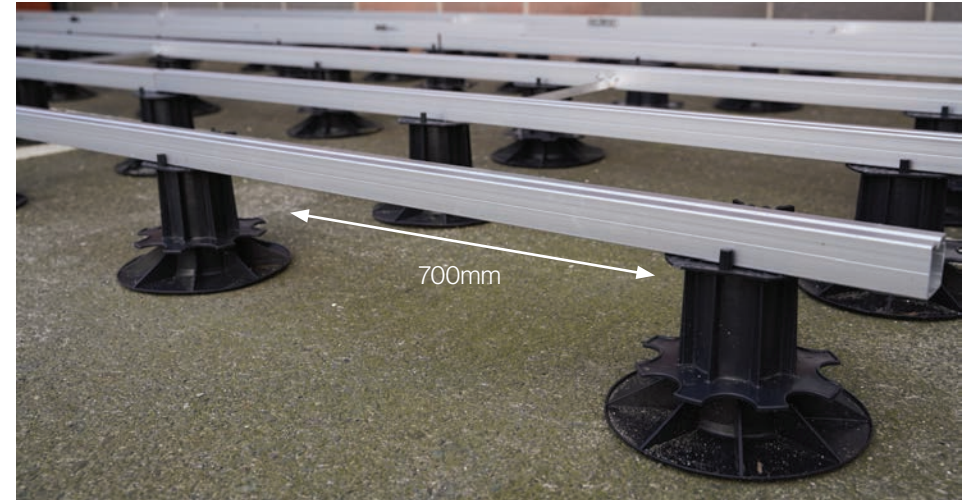
## CAN ALSO BE USED FOR PAVING

### COVERAGE GUIDE

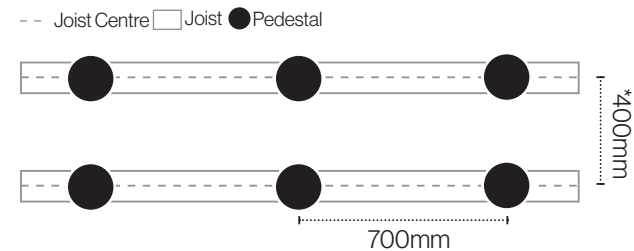


- Paving pedestals are recommended for slabs with a minimum size of 400x400mm, in accordance with the instructions of the paving manufacturer.
- Paving formats larger than 600x600mm will need an extra pedestal in the centre of the slab, please seek advice from your paving manufacturer as this will vary depending on thickness and overall strength of each paving slab.

## DECKING COVERAGE GUIDE



Spacing depends on joist strengths. 700mm spacing shown is for Whiteriver 38mm Aluminium Joists.



\*300mm centres for commercial installations

**BASED ON THE ABOVE DIAGRAMS  
WE RECOMMEND APPROX. 6.0 PEDESTALS PER M²**

Pedestal spacing can be from 500mm to 1000mm along the joist length, however this depends on the application and joist strength. Whiteriver Aluminium joist can be used at 700mm Pedestal Spacing.

### STEP1

Once you know your height required, pick your base. It may be a case that you need a mixture of pedestal bases, if there are different heights within your project.

<b>35MM - 50MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b>	<b>50MM - 80MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b>	<b>80MM - 110MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b>	<b>110MM - 140MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b>	<b>140MM - 170MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b>	<b>35MM - 50MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b> <i>For use against wall</i>	<b>50MM - 80MM</b> <b>ADJUSTABLE</b> <b>PEDESTAL BASE</b> <i>For use against wall</i>
						
						
<b>PV 3.5/5</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>PV 5/8</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>PV 8/11</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>PV 11/14</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>PV 14/17</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>AK 3.5/5</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>	<b>AK 5/8</b> <small>PRICE EXCLUDES SUPPORT PLATE</small>
<b>K1420016</b>	<b>K1420017</b>	<b>K1420018</b>	<b>K1420019</b>	<b>K1420020</b>	<b>K1420021</b>	<b>K1420022</b>

### STEP2

Pick the plate to go on top of your base. CPV+ is for timber and aluminium joists.

<b>JOIST SUPPORT</b> <b>PLATE</b> <b>WITH SIDE FIXING</b>	<b>FLAT SUPPORT</b> <b>PLATE WITHOUT</b> <b>GUIDE</b>	<b>PAVING</b> <b>SUPPORT</b> <b>PLATE</b>
		
<b>CPV+</b> <small>MAX. JOIST WIDTH 78MM</small>	<b>CO</b> <small>FOR ADDITIONAL SUPPORT WHERE REQUIRED</small>	<b>C3/4T</b> <small>PAVING SUPPORT PLATE WITH 3MM SPACERS</small>
<b>K1420026</b>	<b>K1420006</b>	<b>K1420007</b>

### STEP3

Consider if any accessories are needed. Most common are extension pieces. Extension pieces can be used to bring pedestals up to 1m.

<b>FRICTION</b> <b>PAD</b> <small>For top of pedestal</small>	<b>30MM PEDESTAL</b> <b>EXTENSION</b> <b>PIECE</b>	<b>100MM PEDESTAL</b> <b>EXTENSION</b> <b>PIECE</b>	<b>210 X 210 X 3MM</b> <b>PROTECTION PAD</b> <small>For under pedestal</small>	<b>SLOPE</b> <b>CORRECTOR</b>
				
<b>2MM</b> <b>FRICTION PAD</b> <small>FOR USE WITH PAVING SUPPORT PLATE</small>	<b>F30</b> <small>MAX HEIGHT 8 PER PEDESTAL</small>	<b>AF100</b> <small>MAX HEIGHT 10 PER PEDESTAL</small>	<b>PROTECTION PAD</b> <small>FOR SURFACE, SOUND &amp; SHOCK ABSORBING PROTECTION. CAN ALSO BE USED AS SHIM FOR LEVELLING.</small>	<b>HS2</b> <small>REDUCES INCLINATION DIFFERENCES FROM 2% TO 10% BY STACKING</small>
<b>K1420010</b>	<b>K1420023</b>	<b>K1420009</b>	<b>K1420025</b>	<b>K1420015</b>



### STEP1

Select an adjustable base 17mm to 23mm.

17MM - 23MM  
ADJUSTABLE  
PEDESTAL BASE



P17  
PRICE EXCLUDES  
SUPPORT PLATE

K1420027

Our Premium low height range allows you to raise joists by as little as 17mm for an ultra low secure base for your project. The 3mm, 5mm & 10mm small rubber pads, can be used to support joists where the height requirement is < 17mm. **Note:** always remember to deduct the joist thickness plus finish product thickness from overall finished height required. For composite decking we recommend 100mm air space under the boards.\*



*\*For low height build up please seek advice.*



Low pedestal solutions.

### STEP2

Pick the plate to go on top of your base. C2V+ is for timber and aluminium joists.

C2V+  
JOIST SUPPORT  
PLATE



C2V+  
MAX JOIST  
WIDTH 90MM

K1420028

C4T PREMIUM  
PAVING  
SUPPORT  
PLATE



C4T  
PAVING SUPPORT  
PLATE WITH 3MM  
SPACERS

K1420029

### STEP3

Consider if any accessories are needed. Most common are extension pieces, and joist support pads.

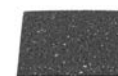
5MM  
EXTENSION  
PIECE



S5  
MAX HEIGHT 2 PER  
PEDESTAL

K1420030

96MM X 96MM  
JOIST  
SUPPORT  
PAD

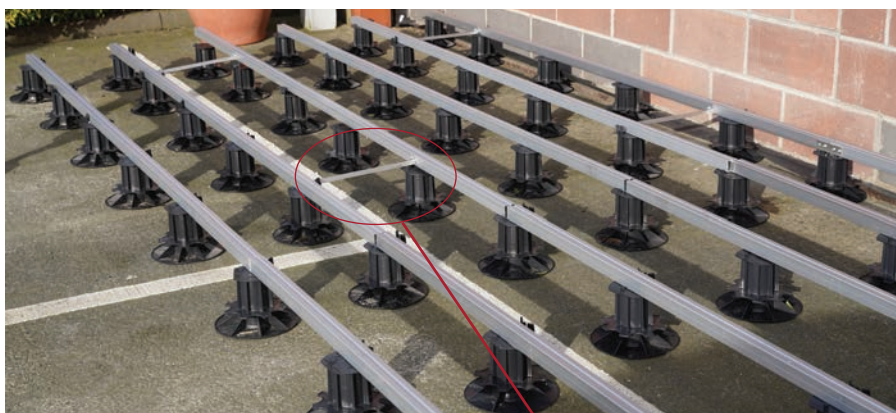


Use directly under joists to  
build up heights < 17mm

3MM - K1420031  
5MM - K1420032  
10MM - K1420033



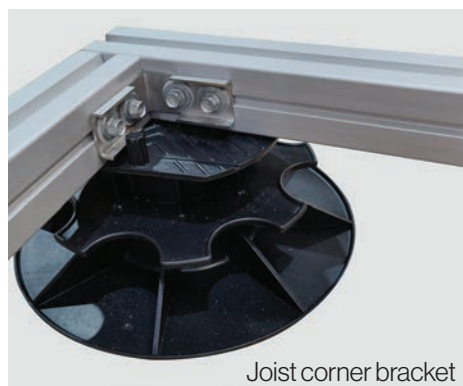
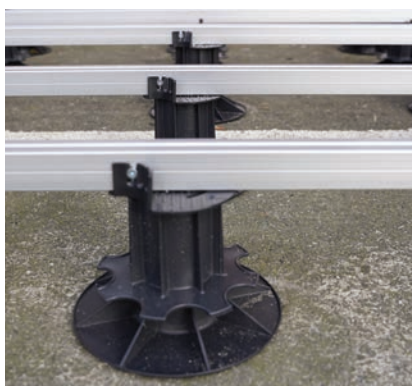
Pedestals give great flexibility for installations and make it easy to allow decking and paving to be installed easily in the same area.



Joist joining bracket



Joist support



Joist corner bracket

**Step 1** - Understand the spacing's required for the finished product going on top. For composite decking in residential setting using our 38mm aluminium joist, the spacing for the aluminium joist will be 400mm centres and the pedestal spacing will be 700mm.

**Step 2** - Remember when planning to take account of the direction you want the boards to run, the board length and finishing look around the perimeter. Composite decking requires a fall of 1.66% (1:60 fall) for water to drain off the boards.

**Step 3** - Building the frame for your composite decking – Set out pedestals and joist per above. Each pedestal should be screw fixed to the aluminium joist. Joiner brackets should be used where aluminium joists meet – leave a 4mm gap for expansion and drainage. Stabilisation joist supports can be used on outer frames; note it is not necessary to do these on every row.

**Step 4** - Double Aluminium joist can be used where board ends meet. The wide joist allows each board to be fixed with its own clip and any water can drain in the U shaped channel.

**Step 5** - Finishing perimeter – Corner brackets can be used with the aluminium joist to create a side frame. Remember to provide for ventilation for underneath your deck. Please look at the vents we offer.

**Step 6** - All screw fixings for aluminium can be predrilling. For ease of installation we recommend tek screws and tek screw driver which are available from most Hardware stores. Aluminium can be pre drilled to make it easier for installing the tek screws.

**Please refer to [www.wrg.ie](http://www.wrg.ie) for our full installation guidelines for composite decking.**



38 x 38 x 3000mm  
Aluminium Joist



75 x 38 x  
3000mm  
Aluminium  
Double Joist



362mm  
Joist Support for  
400mm centres  
with 38mm joist



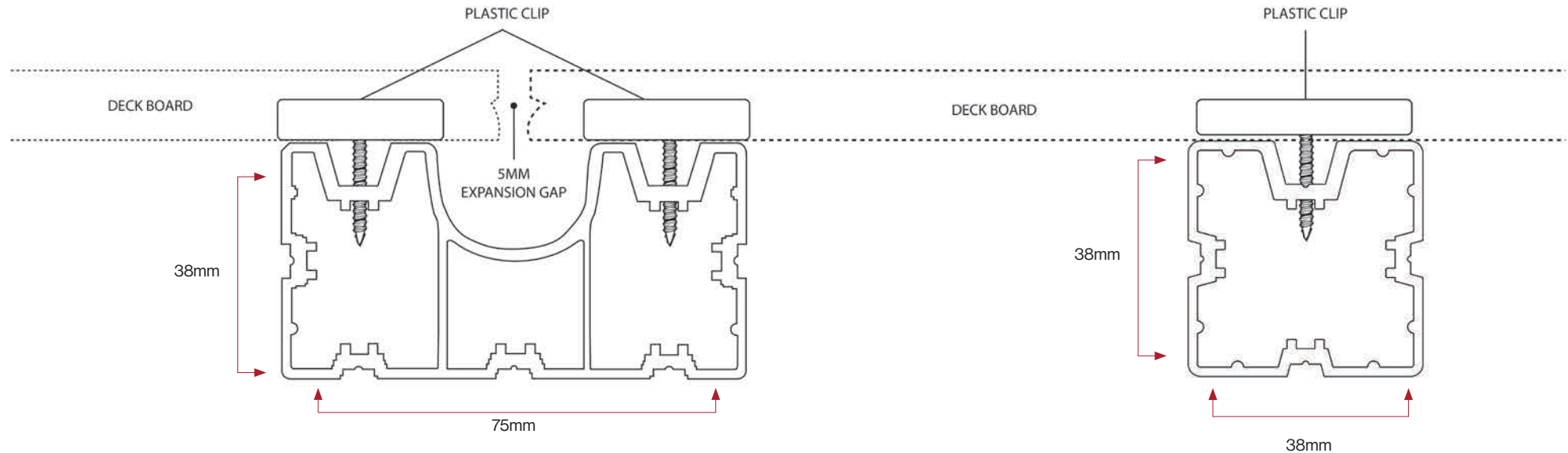
Joist Corner  
Bracket



Joist Joining  
Bracket

## WHITERIVER SINGLE AND DOUBLE ALUMINIUM JOIST SYSTEM

Double Aluminium Joist provides for **rain water** run off at board end



- 1 The Aluminium double joist should be used where two board ends meet.
- 2 The double joist provides stability for the fixing clips.
- 3 Remember to leave 5mm expansion gap.
- 4 The main reason for using the double joist is that it helps prevent moisture soaking into the board ends.
- 5 In a normal installation format, **you need approx. 20% of your joists to be double joists.\***
- 6 It is very important to leave 5mm gap at joist ends so water can drain away freely.

**NOTE: 25mm x 5mm Stainless Steel Tek Screws need to be sourced separately for fixing plastic pedestal and aluminium joists. We recommend planning the location first of your double joist.**

\*It is best to sketch out your deck layout and this will tell you clearly the number of double joists you need.