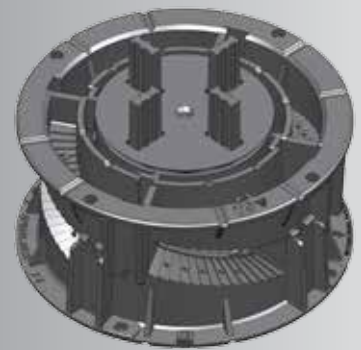




## SpiraPave<sup>®</sup>

Paver & Bearer Support



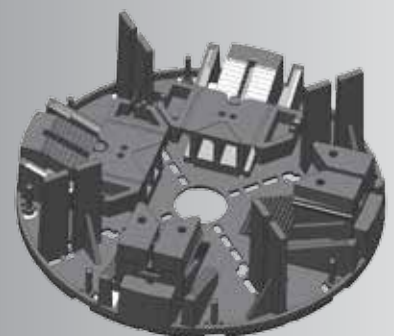
## VersiJack<sup>®</sup>

Paver & Bearer Support



## VersiPave<sup>®</sup>

Paver Support





# Creating Cities Where Urban Meets Nature

## **SpiraPave®** **Paver & Bearer Support**



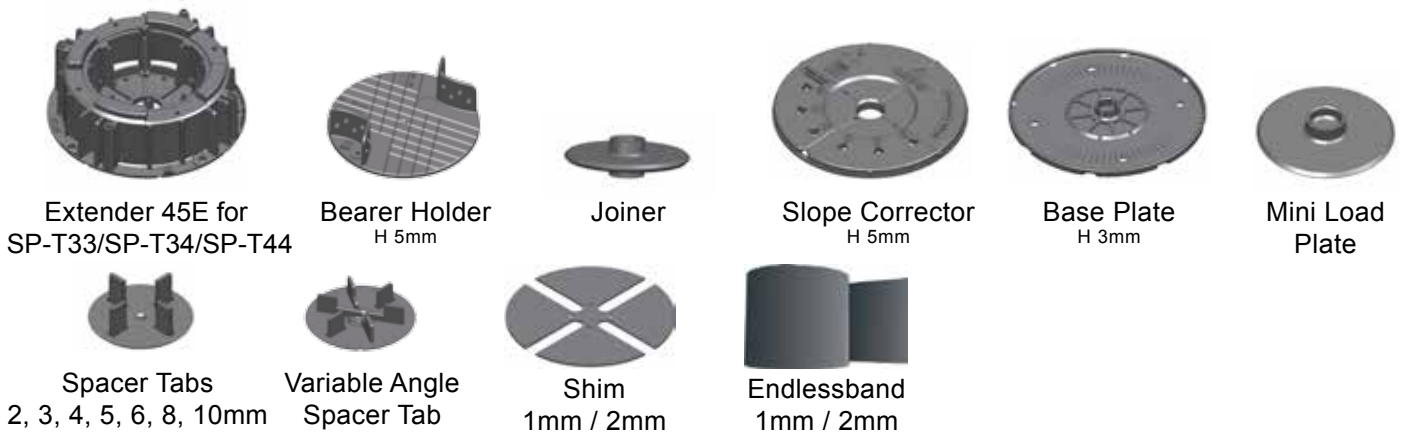
### **Our Innovation Your Solution**

SpiraPave® pedestals are engineered to provide a versatile and cost-effective solution to support raised pavers and timber decking in an eco-friendly way. It provides a cavity for services to be concealed, improves heat and sound insulation and facilitates rapid surface drainage whilst allowing waterproofing and services to remain accessible.

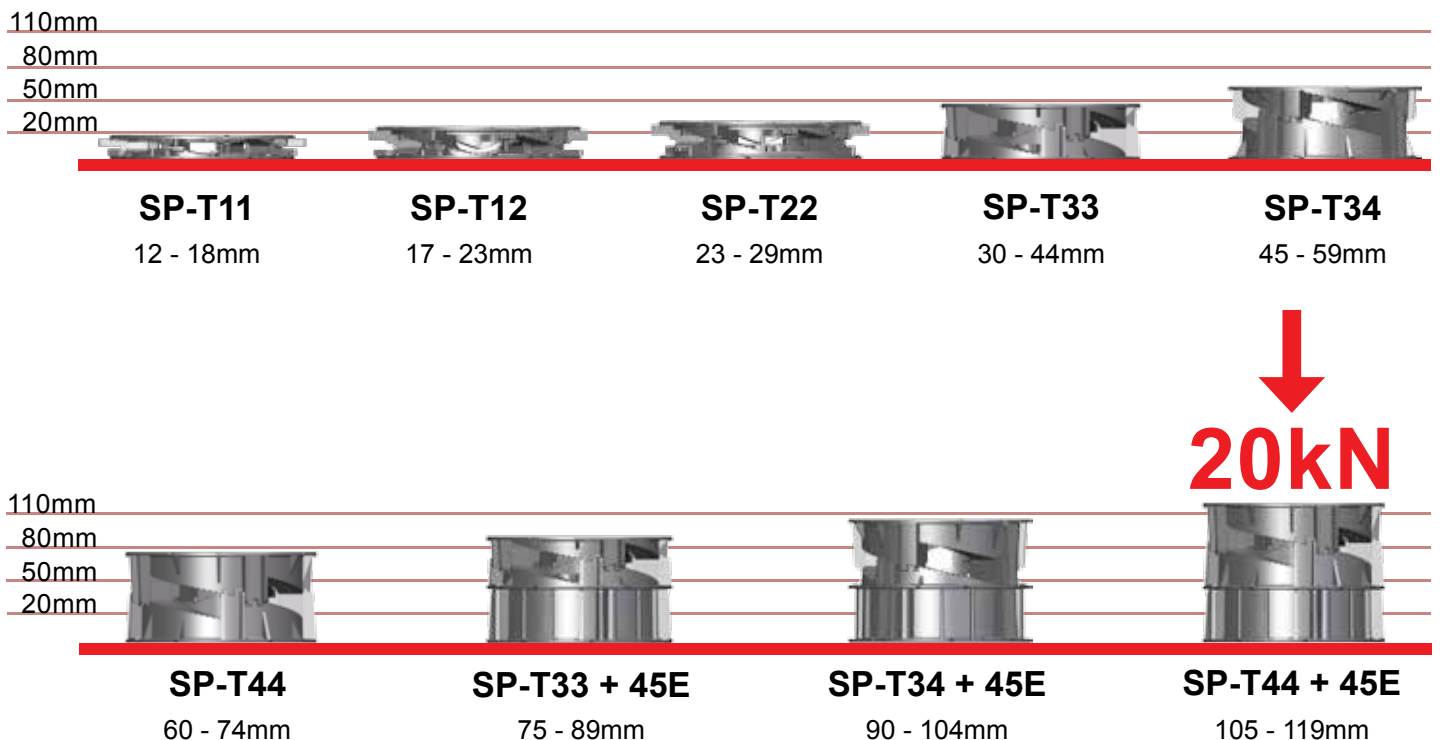
# Technical Specifications

<b>Material</b>	Recycled Polypropylene
<b>Height Rang<sup>1</sup></b>	12mm to 119mm
<b>Ultimate Compressive Strength<sup>1</sup></b>	20kN
<b>Base Diameter</b>	154mm 172mm (with Slope Corrector)
<b>Spacer Tab Height</b>	15 / 25mm
<b>Spacer Tab Thickness</b>	2 <sup>4</sup> / 3 <sup>2</sup> / 4 <sup>4</sup> / 5 <sup>4</sup> / 6 <sup>2</sup> / 8 <sup>3</sup> / 10 <sup>4</sup> mm
<b>Marginal Adjustments</b>	1mm steps
<b>Bearer Holder</b>	35mm to 80mm (bearer width)
<b>Biological / Chemical</b>	Unaffected by moulds and algae
<b>Resistance</b>	Good resistance to alkali and bitumen
<sup>1</sup> varies with different combinations	Heights: <sup>2</sup> 15mm & 25mm <sup>3</sup> 15mm <sup>4</sup> 25mm

## Accessories



## SpiraPave® Height Chart





# SpiraPave®

SpiraPave® pedestal is based on a unique 'step' design for supporting raised pavers and timber decking. It creates a cavity to conceal services, improves heat and sound insulation, facilitates rapid surface drainage and allows easy access to waterproofing and services. It also reduces efflorescence and algae growth and reduces paving installation costs.

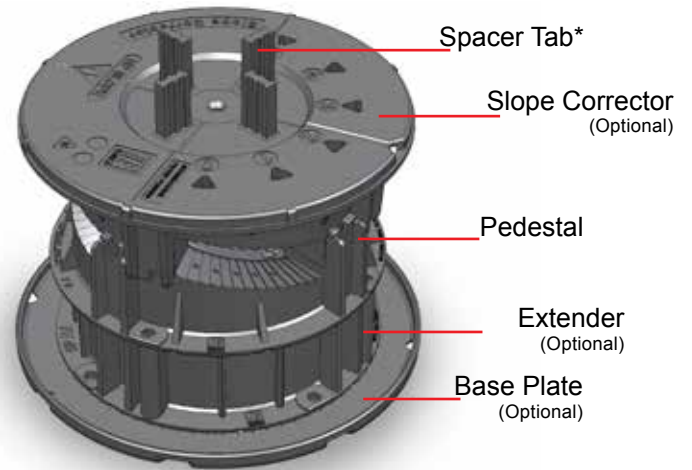
## About SpiraPave®

SpiraPave® is a height and slope-adjustable pedestal engineered to support pavers and decking to reduce material, construction and lifecycle costs.

Height range of SpiraPave® is 12mm to 74mm, in 1mm increments. Additional height of 45mm is obtained with the use of a SP-45E extender.

SpiraPave® is used in areas such as balconies, swimming pool surrounds and courtyards.

Accessories include top/bottom slope-correctors, spacer tabs, height extender, base plate and bearer holders.



\*or Bearer Holder

## Advantages

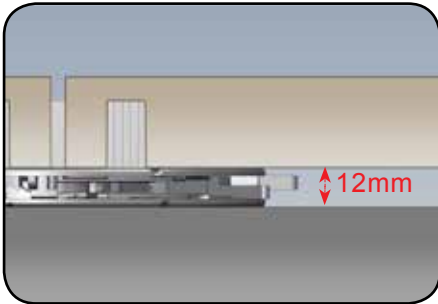
- Low minimum height of 12mm
- Precise 1mm height adjustment
- Top and/or bottom slope correctors
- Easy to install, cost effective and lightweight
- Made from 100% recycled materials
- Supports Green Building certification



# Distinctive Features

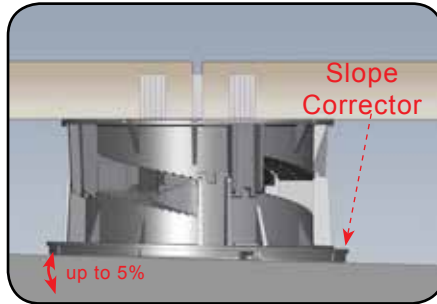
## Minimum Height

12mm minimum height with 1mm stepped increments.



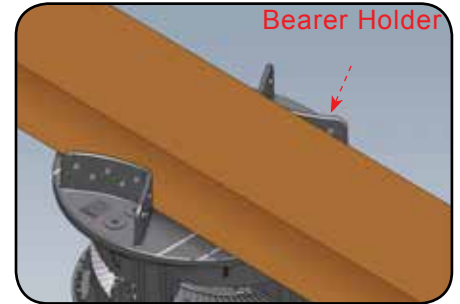
## Slope Corrector

Used at top or bottom of pedestal for slope compensation of up to 5%.



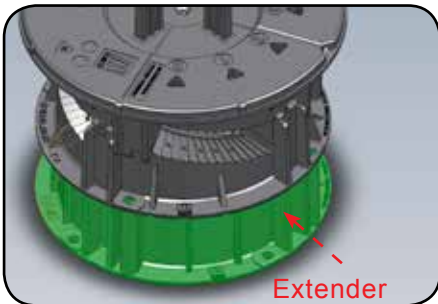
## Bearer Holder

Suitable for widths 35mm to 80mm to keep bearer firmly in place.



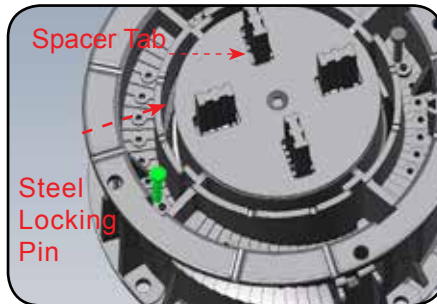
## Extended Height

Additional 45mm height possible with use of SP-45E extender.



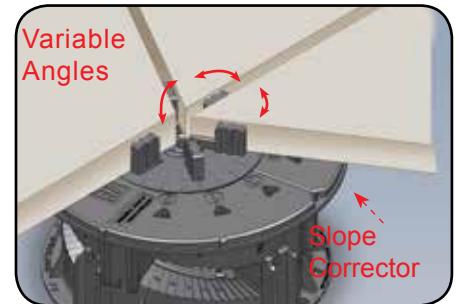
## Stability

Desired height is secured with Steel Locking Pin.

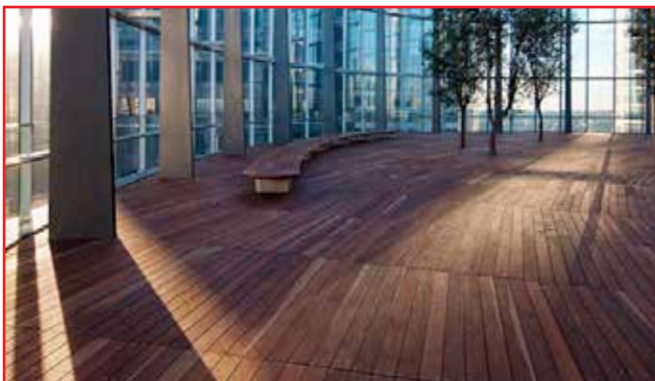


## Variable Angle Spacer Tab

Variable Angle Spacer Tabs allow pedestals to support up to 8 pavers with different corner angles.



# Projects



1 Bligh Street, Australia



W Residences, Singapore



The Orchard Residences, Singapore



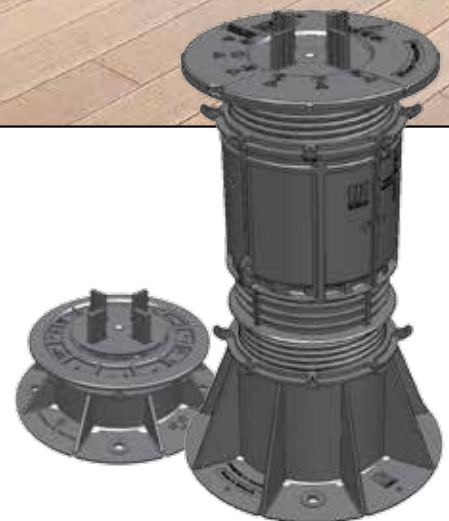
The Marq on Paterson Hill, Singapore





# Creating Cities Where Urban Meets Nature

## VersiJack® Paver & Bearer Support



### Our Innovation Your Solution

VersiJack® is a new generation pedestal engineered to provide a versatile and sustainable solution to support raised pavers and timber decking. It provides a cavity to conceal services, improves heat and sound insulation, and facilitates rapid surface drainage whilst allowing waterproofing and services to remain accessible.

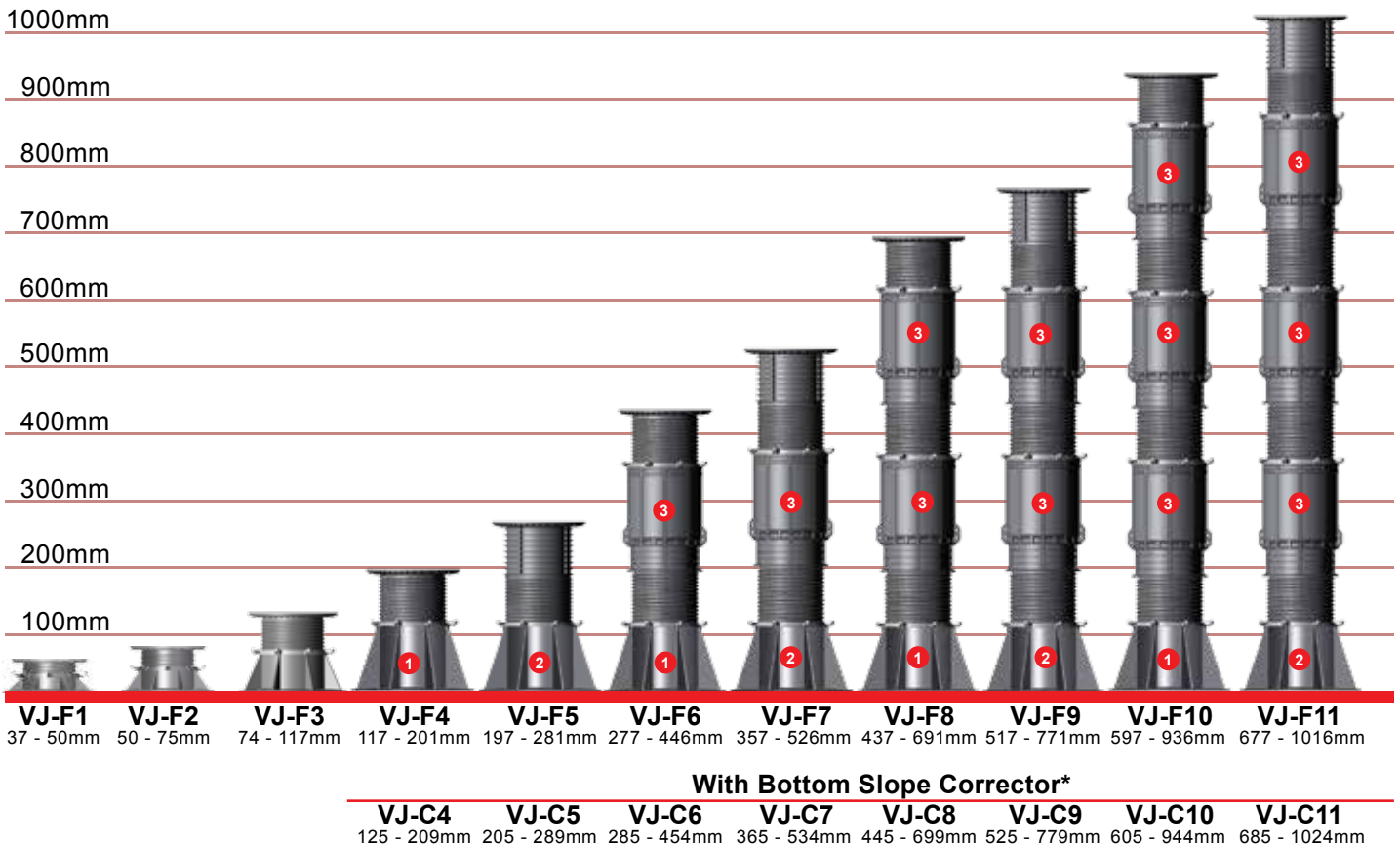
# Technical Specifications

<b>Material</b>	Recycled Polypropylene
<b>Height Rang<sup>1</sup></b>	37mm to 1016mm
<b>Ultimate Compressive Strength<sup>1</sup></b>	15kN
<b>Slope correction</b>	0% to 5% @ 1% increment
<b>Base Diameter</b>	189mm (VJ-F1/VJ-F2/VJ-F3) 202mm (VJ-F4/VJ-F5 und höher) 226mm (with bottom Slope Corrector (C-Serie))
<b>Spacer Tab Height</b>	15 / 25mm
<b>Spacer Tab Thickness</b>	2 <sup>4</sup> / 3 <sup>2</sup> / 4 <sup>4</sup> / 5 <sup>4</sup> / 6 <sup>2</sup> / 8 <sup>3</sup> / 10 <sup>4</sup> mm (gap between pavers)
<b>Bearer Holder</b>	35mm to 80mm (bearer width)
<b>Biological / Chemical</b>	Unaffected by moulds and algae
<b>Resistance</b>	Good resistance to alkali and bitumen
<sup>1</sup> varies with different heights	Heights: <sup>2</sup> 15mm & 25mm <sup>3</sup> 15mm <sup>4</sup> 25mm

## Accessories



## VersiJack® Height Chart





# VersiJack®

VersiJack® is a new generation pedestal engineered to provide a versatile and sustainable solution to support raised pavers and timber decking. It provides a cavity to conceal services, improves heat and sound insulation, and facilitates rapid surface drainage whilst allowing waterproofing and services to remain accessible. It also efflorescence and algae growth and reduces paving installation costs.

## About VersiJack®

VersiJack® is a height and slope-adjustable pedestal for paver and decking support engineered to reduce material, construction and lifecycle costs.

It caters to a wide range of height requirements, from 37mm - 1016mm, using only three main components parts (Top, Extender and Base).

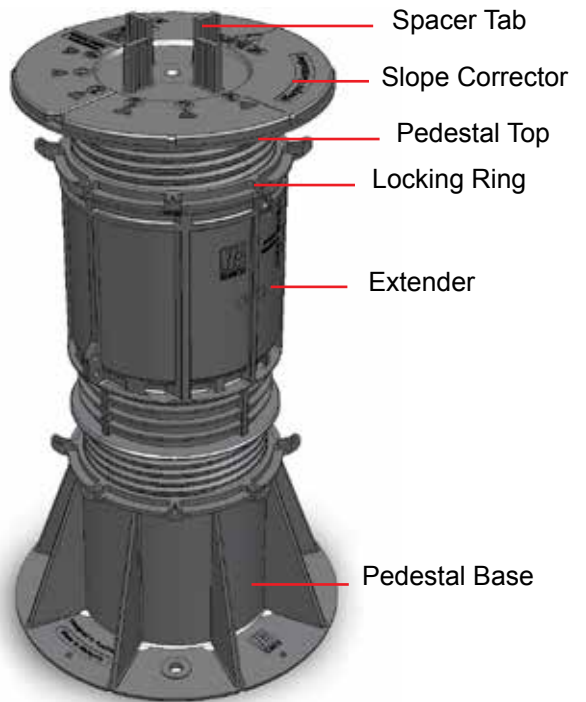
Accessories include top and bottom slope-correctors, spacer tabs, height extender and bearer holders.

## Supports Green Building Certification

VersiJack® is manufactured from recycled plastics which meet European Union RoHS requirements.

## Advantages

- Easy to install and lightweight
- Progressive height increments
- Top and/or bottom slope correctors
- Supports Green Building certification
- Made from recycled plastics
- Easily removed and reused



## Construction Benefits

VersiJack® provides a quick to install alternative to on-site fabricated concrete or metal piers.

It allows convenient progressive height adjustments and correction for fall. Desired height is secured with integrated Locking Rings.

The large flat base and rounded edges do not penetrate and compromise waterproofing membranes. The base flange design prevents water ponding and breeding of pests.

Unique VersiJack® Turning Tool connected to a power drill permits height adjustments to be made with minimum effort.



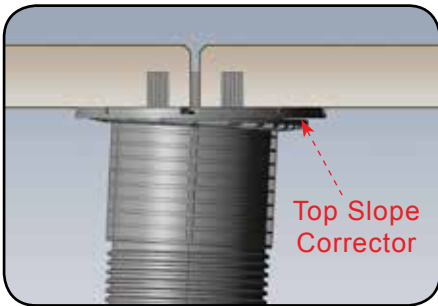
Turning Tool greatly reduces the time needed for height adjustments



# Distinctive Features

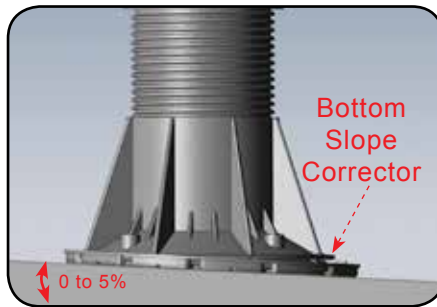
## Top Slope Corretor

Top Slope Corretors provide for slope compensation up to 5%, keeping pavers level on al sloping surface.



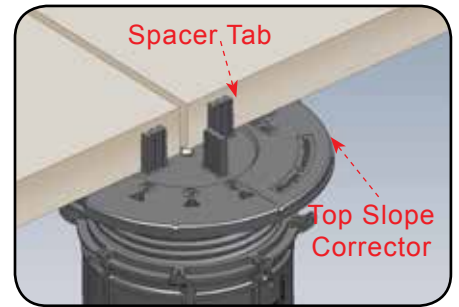
## Bottom Slope Corretor

Bottom Slope Corretors allow pedestals to remain firmly upright on incline of up to 5%.



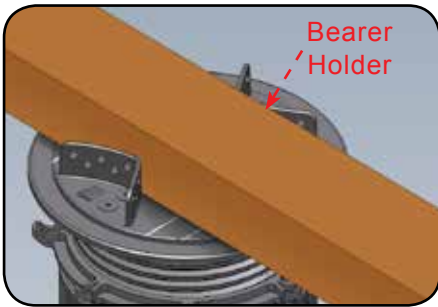
## Spacer Tab

Spacer Tabs with thickness from 2mm to 10mm cater for different gap sizes between pavers.



## Bearer Holder

Bearer Holders accomodate bearer width from 35mm to 80mm to keep bearers frimly in place on pedestals.



## Locking Ring

Locking Rings ensure pedestals are secured at desired heights and are easily removed when not required.



## Variable Angle Spacer Tab

Variable Angle Spacer Tabs allow pedestals to support up to 8 pavers with different corner angles.



# Projects



Melbourne Convention Centre, Australia



Nanyang Technological University, Singapore



Sentosa Boardwalk, Singapore



Asy-Syakirin Mosque, Malaysia

# Wall Spacer

The Wall Spacer is designed for use on pedestals to provide a permanent compressible buffer at the edge of installations where pavers abut against the wall or upstand to prevent damage to the waterproofing membrane and facilitate drainage.

## Wall Spacer

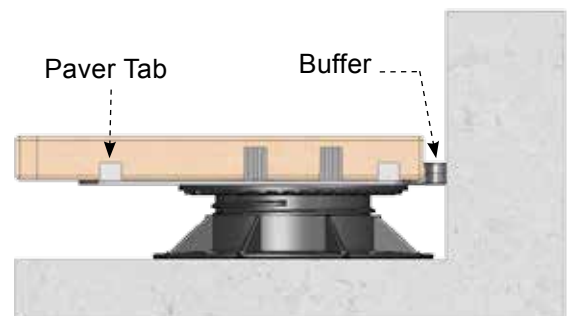
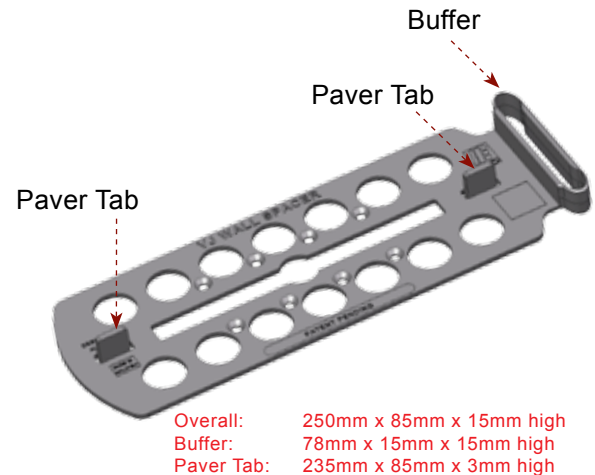
It is used on pedestals supporting concrete, stone, tile and timber pavers. Its function is to space the pavers away from the wall or upstand to allow for expansion and contraction as well as paver movement due to traffic.

The Elmich Wall Spacer has a compressible buffer which does not protrude above the finished paved surface when used with pavers over 12mm thick.

Twin paver tabs on the Elmich Wall Spacer maintain a constant gap between pavers and keep them centred on the pedestal. The paver tabs are removable when used in corners.

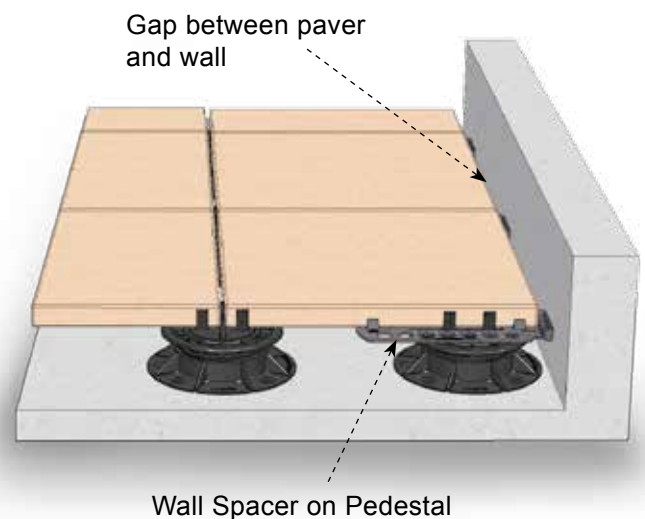
Elmich Wall Spacers are quick to install by placing them over the pedestals when positioning the pavers. They do not dislodge due to expansion or contraction, unlike clip-on spacers.

Made from recycled polypropylene and coloured black, they complement VersiJack® and SpiraPave® pedestals to provide the perfect solution for raised paver installation.



## Advantages

- Fits VersiJack® & SpiraPave® as well as other pedestals.
- Suitable for all types of pavers.
- Maintains gaps at the perimeter and between pavers.
- Buffer will not dislodge due to shrinkage.
- Buffer is flexible with rounded edges to prevent damage to the waterproofing membrane.
- Buffer is not visible above paver surface.
- Cost-effective and simple installation.
- Environmentally-friendly.







# Creating Cities Where Urban Meets Nature

## VersiPave®

### Paver Support



#### Our Innovation Your Solution

VersiPave® pedestals are engineered to provide a versatile and cost-effective solution to support raised pavers in an eco-friendly way. It provides a cavity to conceal services, improves heat and sound insulation, and facilitates rapid surface drainage whilst allowing waterproofing and services to remain accessible.



# Technical Specifications

<b>Material</b>	Recycled Polypropylene
<b>Height Range</b>	24mm to 105mm
<b>Ultimate Compressive Strength<sup>1</sup></b>	
Load on all 4 chocks	25kN
Load on single chock	~8kN
<b>Base Diameter</b>	162mm
<b>Spacer Tab Height</b>	30mm - 10mm
<b>Spacer Tab Thickness</b>	4mm (gap between pavers)
<b>Marginal Adjustments</b>	in 1mm steps
<b>Biological / Chemical Resistance</b>	Unaffected by moulds and algae
<b>Resistance</b>	Good resistance to alkali and bitumen

<sup>1</sup>varies with different combinations

## Accessories



20E Extender

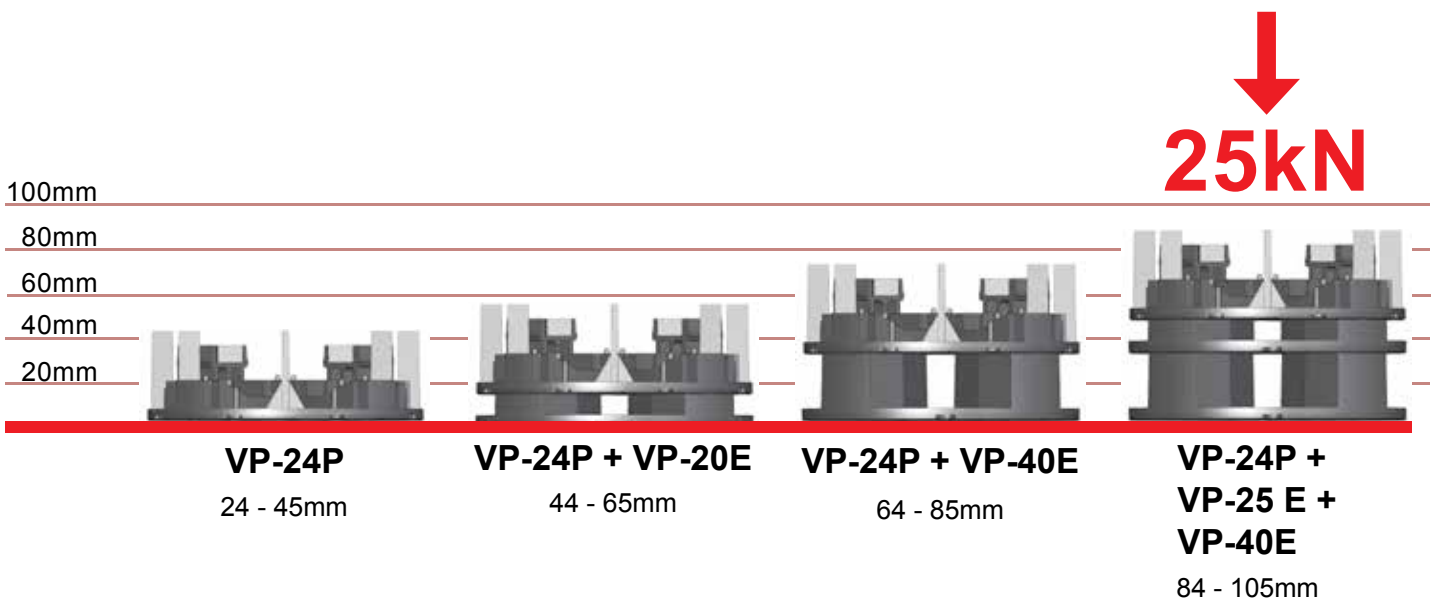


40E Extender



Joiner

## VersiPave® Height Chart



# VersiPave®

VersiPave® is a height adjustable pedestal for paver support engineered to provide a cost effective solution raised pavers with inconsistent or uneven thickness. It provides a cavity to conceal services, improves heat and sound insulation, and facilitates rapid surface drainage whilst allowing waterproofing and services to remain accessible. It also reduces efflorescence and algae growth.

## About VersiPave®

VersiPave® is a pedestal for paver support engineered to reduce material, construction and lifecycle costs (Spacer Tab Thickness 5mm).

It has height range of between 24mm and 45mm that may be increased using VP-20E and /or VP-40E extenders.

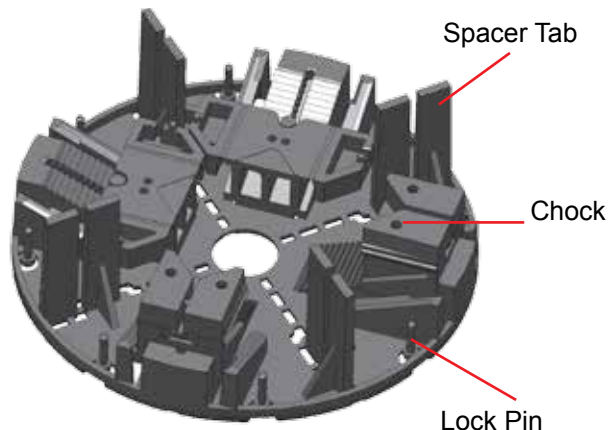
Individual chocks adjustable independently enable compensation to allow pavers with different thickness to rest on VersiPave®.

The ability of to be separated into halves or quarters, enables flush placement along wall edges and also around or into corners.

## Advantages

- Minimum height of 24mm
- Progressive 1mm height adjustment
- Accommodates pavers of inconsistent thickness
- Supports Green Building certification

- Easy to install and lightweight
- Made from recycled plastics
- Reduces construction time
- Reusable, suitable for temporary paving or retrofitting



## Construction Benefits

Height extensions and height adjustments are easy and convenient. Independent chock adjustments can be made to compensate for difference in paver thickness.

Eliminates need for bedding sand or cement screed, reducing the load burden on building structures. It also reduces installation time and costs.

Joint sealant and grouts are unnecessary between pavers. The paver gaps provide surface drainage and allow for expansion and contraction.

## High Compressive Strength

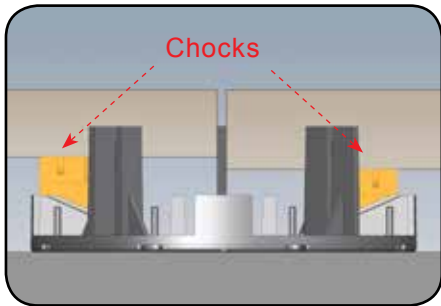
VersiPave® with Extenders up to 105mm has ultimate compressive strength of  $\geq 25\text{kN}$ .



# Distinctive Features

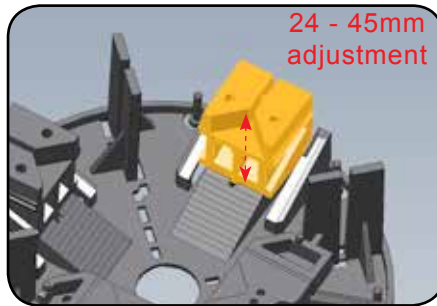
## Independent Chocks

Allow compensation for differences in paver thickness.



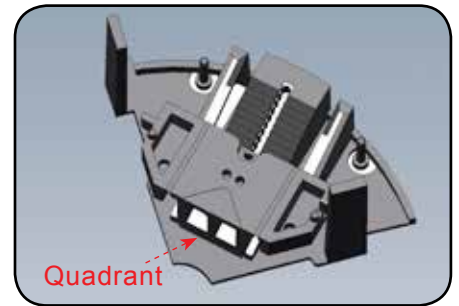
## Height Adjustable

Allows height adjustments from 24mm to 45mm in 1mm increments.



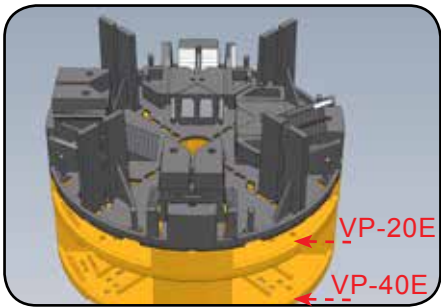
## Sectioned Design

VersiPave® and Extenders can be sectioned for use along edges and corners.



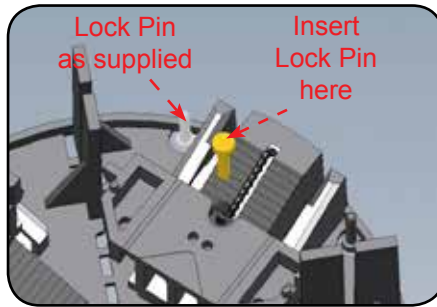
## Extended Height Range

Pedestal height can be increased with VP-20E and VP-40E extenders.



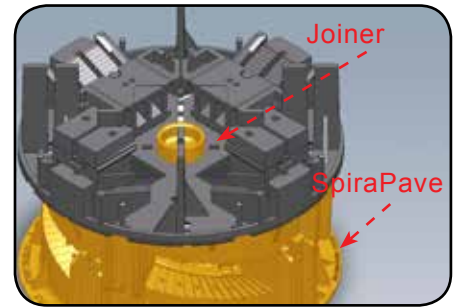
## Lock Pins

Lock Pins prevent accidental movement of chocks after height is set.



## Versatility

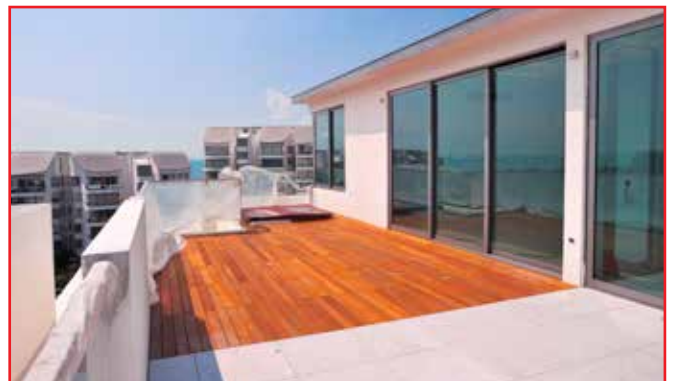
Compatible with other Elmich pedestals e. g. SpiraPave® and VersiJack®.



# Projects



Burger Retirement Centre, Australia



W Residences, Singapore



Chatswood Police Station, Australia



UOB Plaza, Singapore



# VersiPave® 4P

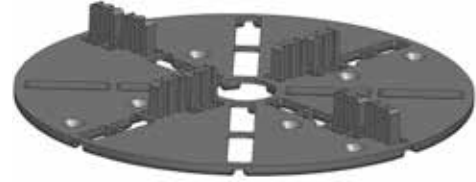
VersiPave® 4P is an ultra-low fixed-height pedestal designed to support concrete, stone, tile and timber pavers. It also reduces efflorescence and algae growth.

## About VersiPave® 4P

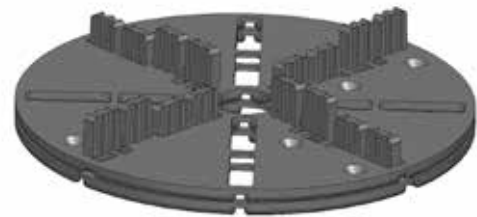
VersiPave® 4P integrated spacer posts (5mm) maintain paver positions and a consistent gap between pavers. When installed over waterproofing membrane, the 4mm thick and large 170mm diameter smooth base prevents physical damage of the membrane during placement of pavers.

VersiPave® 4P may be double-stacked to achieve an effective height of 8mm. Further height adjustments are possible using Elmich 1mm and 2mm Neoprene shims. The 12mm high spacer tabs do not protrude above the finished paved surface when used with low profile pavers.

VersiPave® 4P may be separated into halves or quarters to enable flush placement along wall edges and also into and around corners.



Single VP-4 as 4mm pedestal



Double VP-4 as 8mm pedestal

## Applicable Areas

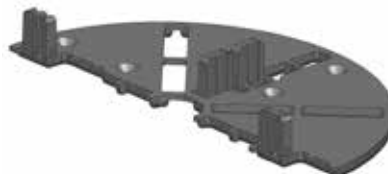
- Roof terraces
- Balconies
- Plant room access
- Court yards
- Podium decks

## Advantages

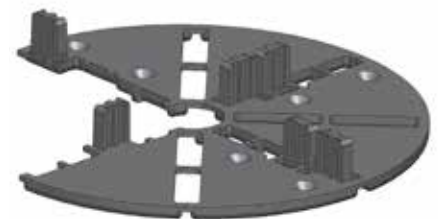
- Suitable for all types of pavers
- Maintains position and gaps between pavers
- Provides drainage layer beneath pavers
- Protects waterproofing membrane
- Not visible above paver surface
- Cost-effective and simple installation
- Manufactured from environmentally-friendly recycled polypropylene



¼ VP-4P into corner



½ VP-4P along wall edge



¼ VP-4P around corner

Note: The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since the issue of this literature. Environmentally-friendly recycled materials are used in product manufacture wherever possible. Physical product properties including colour may differ due to source of raw materials used. Colour may also fade due to UV exposure. All components of the product are designed for specific application, design calculations and any variation and/or deviation therefrom shall be the responsibility of the specifier and/or user.

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