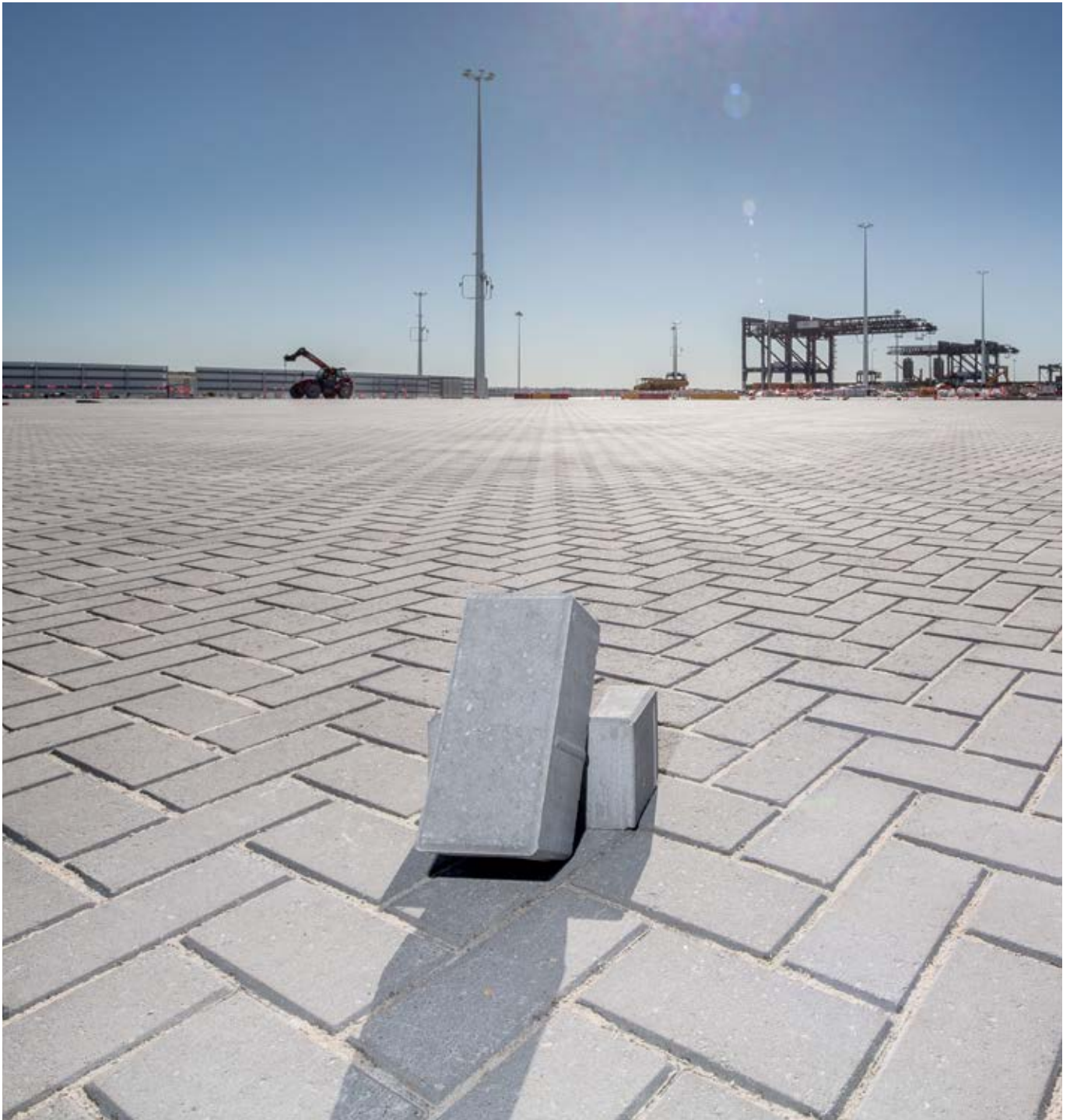


COMMERCIAL PAVING

concrete segmental pavers





BEAUTIFUL PRODUCTS

that last a lifetime

Our range of coloured, standard and premium masonry has set a new standard in quality and style.

By adding oxides and coloured sands to our mix of raw materials, we produce products with contemporary colours, textures and appeal. Ideal for a range of projects from a modern beach residence to impressive commercial projects, Austral Masonry has an array of products to suit your style.

Austral Masonry is part of the Brickworks Building Products Group, one of Australia's largest building products companies, with a stable of leading brands dedicated to manufacturing innovative products for Australians and the world for over 100 years.

As part of this group, our current products include masonry blocks, retaining wall blocks, bricks, pavers, precast concrete panels, concrete and ceramic roof tiles, timber products, terracotta façade systems and specialised building systems.

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Top Right: Interlock 80 Natural

Bottom Right: Techpave 100 Natural

For smart
and functional
designs



BENEFITS

of segmental concrete pavers

When considering building products for use in your project it's important to understand all the pro's and con's before making your final selections. But with segmental concrete pavers you know you're making the right choice when you consider the host of benefits they offer including: resistance to rutting, strength and durability, low embodied energy, reduced installation time and maintenance, and many more. See the detailed list of benefits below:

Strength to withstand high point loadings

Segmental block pavers are made from concrete so they are strong and dense. Specifically defined mix designs for commercial paving applications ensure they can support considerable loads without damage.

Elimination of shrinkage, cracking and joint stepping

Because they are cured when supplied, segmental block pavers will not shrink or crack as a result of curing.

Pavers also will not suffer from cracking or joint stepping that results from ground movements, as the small units allow some movement without degradation.

Ready access to underground services

Underground services can simply be accessed by removing the desired section of pavers to access the area below.

Simple remediation measures

If a sub base failure occurs under segmental pavers, they can be lifted for access, the sub base re leveled and compacted, and pavers reused. Other hardstands such as concrete pavements require the damaged segment to be demolished and a patched replacement poured to replace it.

High skid resistance

The Austral Masonry segmental concrete paving range is offered with a P5 slip rating which ensures excellent traction for heavy vehicles and minimal skidding.

Designed to Last

Standard segmental paved hardstands are estimated to have a design life of 40+ years.

Reduced overall hardstand thickness compared to concrete pavements

Segmental concrete pavers designs can be thinner than concrete pavements. This has the potential to reduce excavation requirements and costs.



Reduced installation time

Segmental concrete pavers are machine laid with up to 5000m² being laid in 6-9 days.

Once installed, segmental concrete pavers create an instant hardstand.

No curing time is required with segmental concrete pavers. They are supplied ready as a cured product and can be loaded immediately after installation.

Strong, durable and weather resistance

Composed of strong, dense concrete, Austral Masonry segmental concrete pavers will withstand considerable impact, loads and weather events.

Rust, rot and termite resistant

Because they are made from concrete, Austral Masonry's segmental concrete pavers are impervious to rust, rot and termites.

Prefinished in a range of colours and finishes

Segmental concrete pavers are supplied in various colours and a number of finishes to suit your project. This removes the need for additional trades to apply post installation surface finishes that are associated with competing products.

Low embodied energy

Concrete pavers are cured in temperature controlled kilns instead of fired kilns which means their production requires less energy than some competing products.



TECHPAVE

for a long lasting finish

Techpave can support considerable loads and means they are ideal for industrial, commercial and residential applications.

The Techpave range is available in two different sizes and four colours to suit a range of applications.

- Applications**
- Domestic Driveways**
- Commercial Vehicle**
- Industrial Vehicle**
- Car Parks**
- Low to Medium Volume Pedestrian Traffic**
- Laneways, residential streets and roads**
- Factory and container yards**



Natural



Almond



Terracotta



Charcoal



Techpave 80
Size: 230 L x 115 W x 80 H mm
Weight (each): 4.5 kg
Coverage: 38 units per m²



Techpave 100
Size: 210 L x 105 W x 100 H mm
Weight (each): 4.8 kg
Coverage: 45.4 units per m²

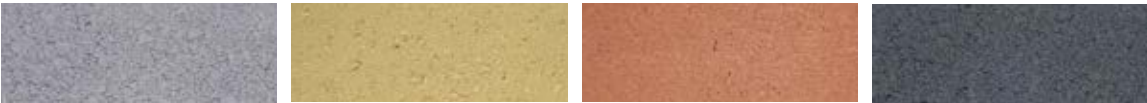


INTERLOCK

strong and durable

Interlock 80 pavers are ideal for areas such as heavy transport and container terminals, industrial facilities, aircraft terminals etc. Interlock installations are generally used with header and border rows of Techpave 80 to finish the edges.

- Applications**
- Domestic Driveways**
- Commercial Vehicle**
- Industrial Vehicle**
- Airport Taxiways**
- Car Parks**
- Low to Medium Volume Pedestrian Traffic**
- Laneways, Residential Streets and Roads**
- Factory and Container Yards**



Natural Almond Terracotta Charcoal



Interlock 80
Size: 225 L x 112.5 W x 80 H mm
Weight (each): 4.3 kg
Coverage: 40 units per m²




Above: Interlock 100 Natural

SEGMENTAL CONCRETE PAVERS

overview

Segmental concrete pavers are engineered for heavy haulage and container terminals, airports, service stations, warehousing and industrial sites.

Austral Masonry’s range offers high performance hardstand systems engineered for high volume traffic, heavy loadings and foundation support.

Product	Range	Weight	Size	Coverage	Slip Resistance Class	Applications
	Techpave 80	4.5	230L x 115W x 80H	38 Units per m²	Almond - P5	Pedestrian
					Natural - P5	Domestic driveways
					Terracotta - P5	Commercial vehicles
					Charcoal - P5	Industrial vehicles
						Factory and containers yards
	Techpave 100	4.8	210L x 105W x 100H	45.4 Units per m²	Almond - P5	Pedestrian
					Natural - P5	Domestic driveways
					Terracotta - P5	Commercial vehicles
					Charcoal - P5	Industrial vehicles
						Factory and containers yards
	Interlock 80	4.3	225L x 112.5W x 80H	40 Units per m²	Almond - P5	Pedestrian
					Natural - P5	Domestic driveways
					Terracotta - P5	Commercial vehicles
					Charcoal - P5	Industrial vehicles
						Factory and containers yards

Specifications and additional information

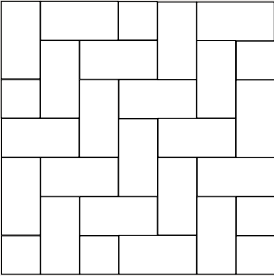
Content	Cement, sand, aggregate, colour oxide
Dimensional Category	DPB1
Characteristic Breaking Load (kN)	> 10
Abrasion Resistance Index	< 5 (for roads)
Slip Resistance Class	p5 tested to AS 4586
Salt Tested to AS/NZS4456.10	Yes
Liability to Effloresce	Nil to Slight
Manufacturing and Test Standard	AS/NZS4455, 4456 and 4586
Ordering Requirements	Made to Order (Minimum Order Qty applies)
Lead Time	4 - 6 Weeks
Bulk Ordering	Requires extended lead time of more than 6 weeks

SEGMENTAL CONCRETE PAVERS

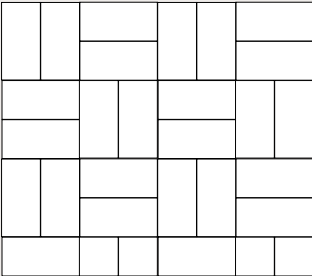
overview

Recommended Laying Patterns

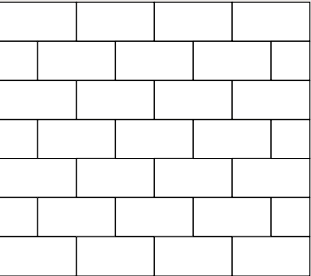
Best



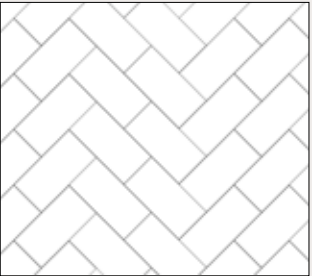
Herringbone*



Basket weave 2x2*



Stretcher bond



45° Herringbone

* Recommended for high traffic loads

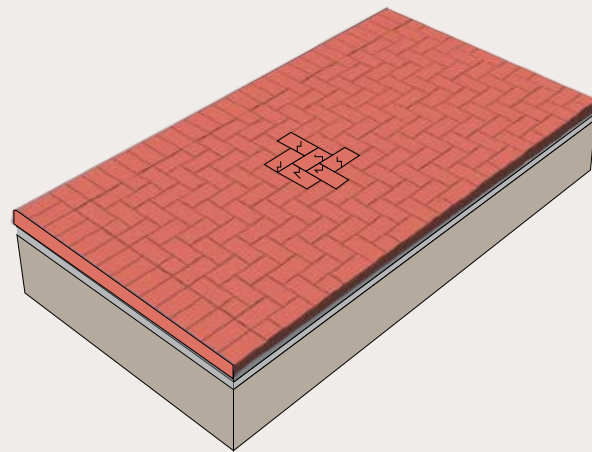
Slip Resistance Classifications

Class AS/NZS 4586 – 2004	Class AS 4586 – 2013	Four S	TRRL	Contribution of the pavement to risk of slipping when wet
V	P5	>54	>44	Very Low
W	P4	45-54	40-44	Low
X	P3	35-44	-	Moderate
Y	P2	25-34	-	High
Z	P1	<25	-	Very High

Application	Surface Conditions - Dry	Surface Conditions - Wet
Ramp steeper than 1:14	P4 or R11	P5 or R12
Ramp steeper than 1:20 but not steeper than 1:14	P3 or R10	P4 or R11
Tread or landing surface	P3 or R10	P4 or R11
Nosing or landing edge strip	P3	p4

REMEDIATION

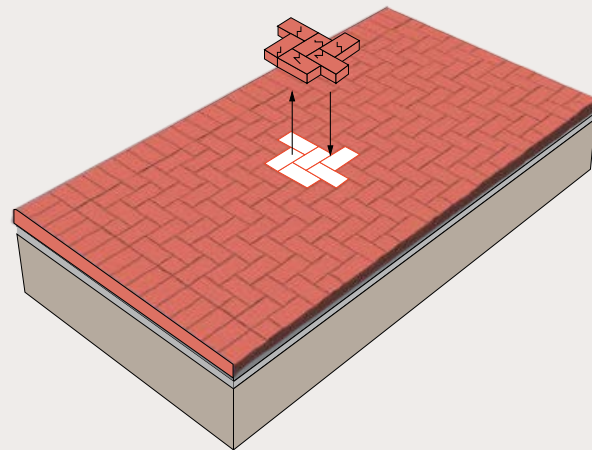
of segmental concrete pavers



A number of pavers are cracked/faulty

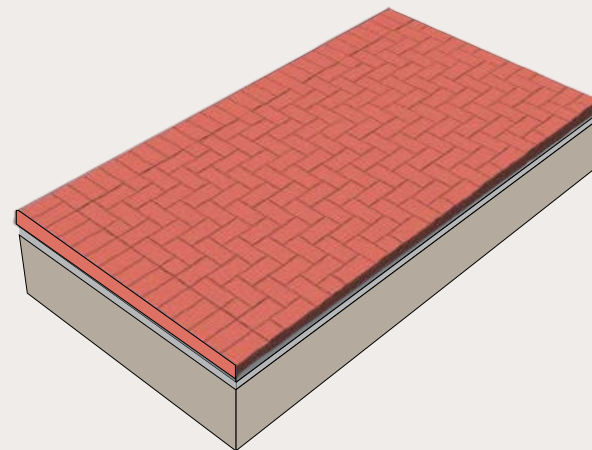
The most common causes of cracked pavers are heavy impact or damage. Pavers are cured prior to delivery so there is minimal shrinkage or contraction of the material.

Because there are several small units making up the pavement, with jointing sand in between, a segmental concrete pavement is unlikely to crack due to minor ground movement.



The faulty pavers are removed and replaced with new pavers

The faulty pavers can be pulled up from the existing pavement and disposed of. The area where they are taken from should be rebbeded and new pavers installed to complement the existing pavement.

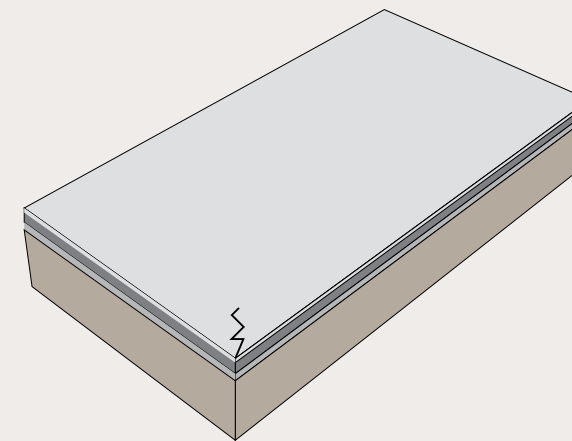


The hardstand is restored to it's original strength and condition

After remediation, the hardstand is restored to its original strength. Use of a new product does not negatively impact the existing pavers.

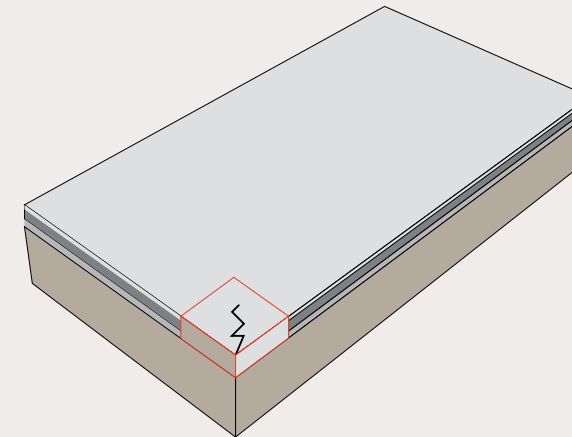
REMEDIATION

of concrete pavements/slabs



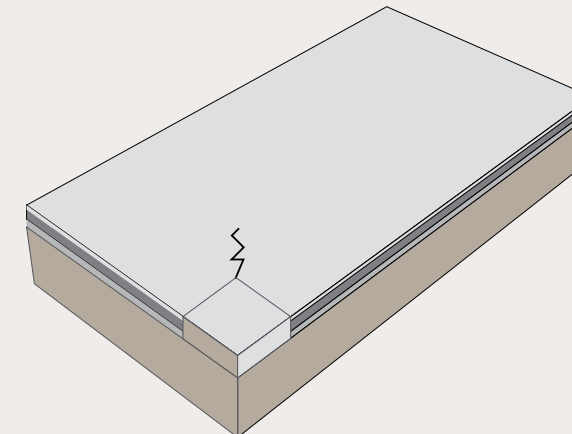
A crack appears in one area of the pavement

The most common causes for cracking in concrete pavements/slabs is ground movement, shrinking or contraction of the material for various reasons, or impact/damage.



The cracked area is cut out and replaced

When a section of concrete pavement cracks, applying an adhesive to seal the crack merely hides the issue as the crack is likely to spread from this point. For this reason the cracked concrete section is generally removed by jackhammering in a square or rectangular segment and then a new section poured and doweled into the existing hardstand.



At the corner where the concrete has been cut, a weak point is created

When a section of the concrete pavement is removed and a new section laid, the two sections have different properties (they don't create one solid unit). The corner section where the concrete is cut has higher likelihood of cracking than other sections of the hardstand because it creates a 'fissure point'.



STYLE AND FUNCTION

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A brand of

BRICKWORKS
— BUILDING PRODUCTS —

Proud Supporters



1. Stock colours. Colours other than stock colours are made to order. Contact your nearest Austral Masonry office for your area's stock colours. A surcharge applies to orders less than the set minimum quantity. **2. Colour and texture variation.** Colour variation can and will occur between product batches despite efforts to ensure extensive efforts to ensure colour consistency. This can be caused by the supply of raw materials can vary over time. In addition, variation can occur between product types and production batches.

3. We reserve the right to change the details in this publication without notice. **4.** For a full set of Terms & Conditions of Sale please contact your nearest Austral Masonry sales office.

5. Important Notice. Please consult with your local council for design regulations prior to the construction of your wall. Councils in general require those walls over 0.5m in height and/or where there is loading such as a car or house near the wall be designed and certified by a suitably qualified engineer. **6. Max wall heights disclaimer.** The gravity wall heights are maximum heights calculated in accordance with CMAA MA-53 Appendix D guidelines and a qualified engineer should confirm the suitability of the product for each application. As such, due consideration must be given to but not limited to: Cohesion. Dry backfill, no ingress of any water into the soil behind the retaining wall. All retaining walls are designed for zero surcharge unless noted otherwise. These walls are intended for structure Classification A walls only as defined in AS4678 Earth Retaining Structures as being where failure would result in minimal damage and/or loss of access.

The product images shown in this brochure give a general indication of product colour for your preliminary selection. Austral Masonry recommends all customers see actual product samples at a selection centre prior to making final selections.