

Concrete Pavers

Victoria



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Style and function

—
When it comes to inspiration, we start by simply looking at nature. From appearance and texture, to colour and form, our Landscaping Collection carefully balances each element to ensure flexibility to just about any design. Coupled with our thorough testing and technical innovation, you're guaranteed long-lasting durability for decades to come.

A BRAND OF

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Product - Techpave | Natural



Designed to last

Not all landscaping products are the same. Our masonry range is designed to stand the test of time in all weather, situations and locations. Easy to install. Simple to care for.

1.

Affordable

For a premium product, our concrete masonry range offers an affordable option.

2.

Low maintenance

Minimal maintenance, maximum impact. You're guaranteed a long-lasting, tough, and easy to care for solution.

3.

All-weather resistant

Heavy storms. Blistering heat. Sub-zero frosts. Our products are designed to hold up to anything our weather systems are capable of throwing at it.

4.

Fire resistant

All of our products are non-combustible and highly fire resistant – making them ideal for bushfire prone areas.

5.

Termite resistant

With no organic wood materials present in our concrete formulations, our masonry range is naturally termite resistant.

6.

Simple installation

Easy to install and structurally robust – our products are perfect for 'do it yourself' installations.

7.

Environmentally aware

We've designed our production processes to minimise effects on the environment ensuring they do not deplete precious natural resources.

8.

Impact resistance

Our masonry range is also renowned for its toughness and hard-wearing properties, and can handle impacts from many external forces.



Pavers

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- Camino
- Broadway
- Techpave
- Interlock
- Causeway

1

Camino

An on-trend, practical solution for paths, pool surrounds and driveways – these tough and versatile pavers are simple to install, and timeless in their design.

Applications

Pools | Paths | Patios | Courtyards | Driveways

Colours



Almond



Sandune

Types



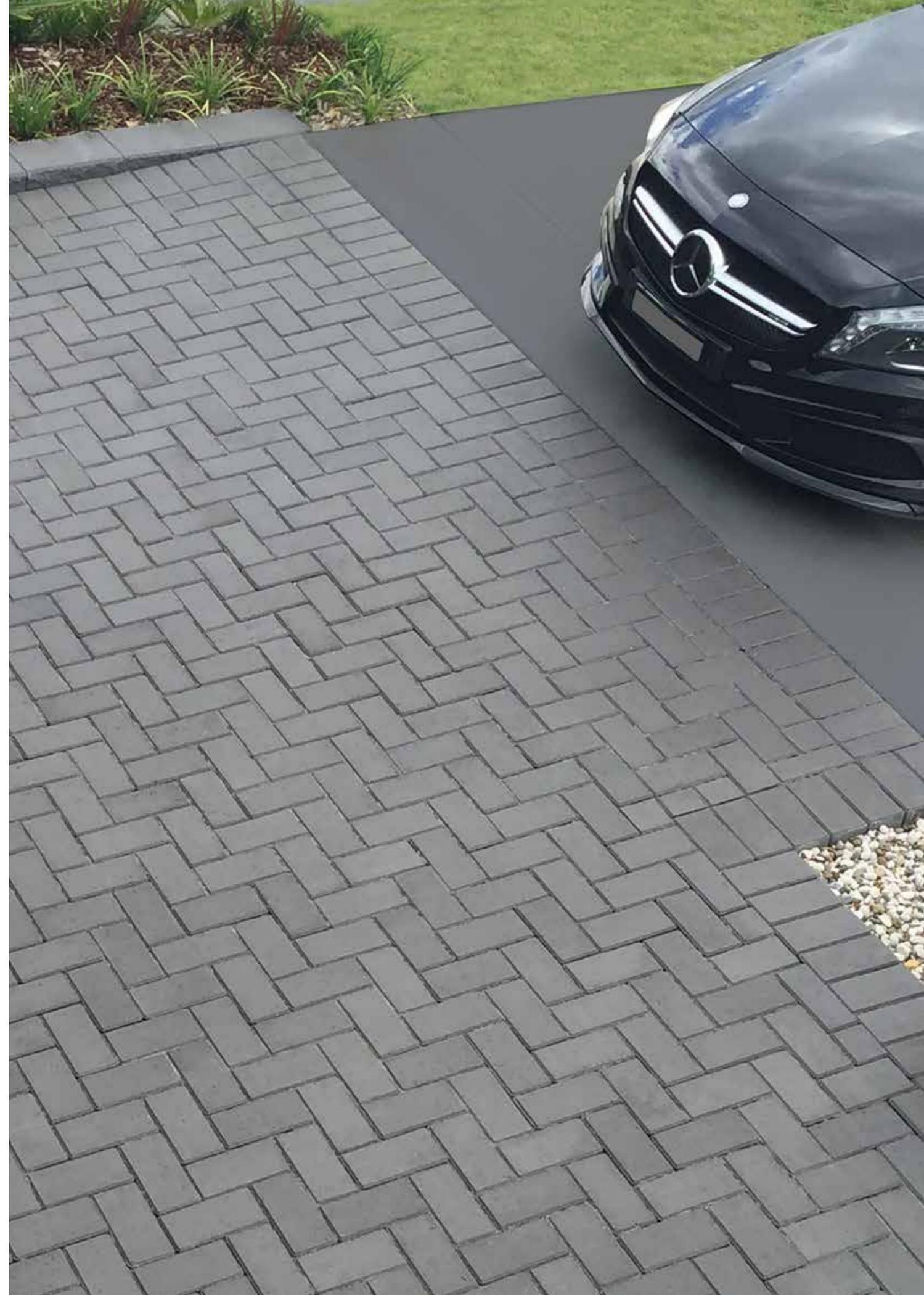
Standard Unit

Size: 230L x 115W x 50H mm

Weight (each): 2.8kg

Units per m²: 37.8

Product – Camino 50 | Charcoal



Broadway 150, 300, 400

Sharp lines, contemporary colours and rock-solid reliability, Broadway comes in a range of sizes you can apply to any outdoor space, from garden paths to courtyards.

Applications Pools | Paths | Patios | Courtyards

Colours



Oyster



Sandune



Almond



Charcoal

Types



Broadway 150*

Size: 300L x 150W x 60H mm

Weight (each): 5.8kg

Units per m²: 22.2



Broadway 300

Size: 300L x 300W x 50H mm

Weight (each): 9.8kg

Units per m²: 11.11



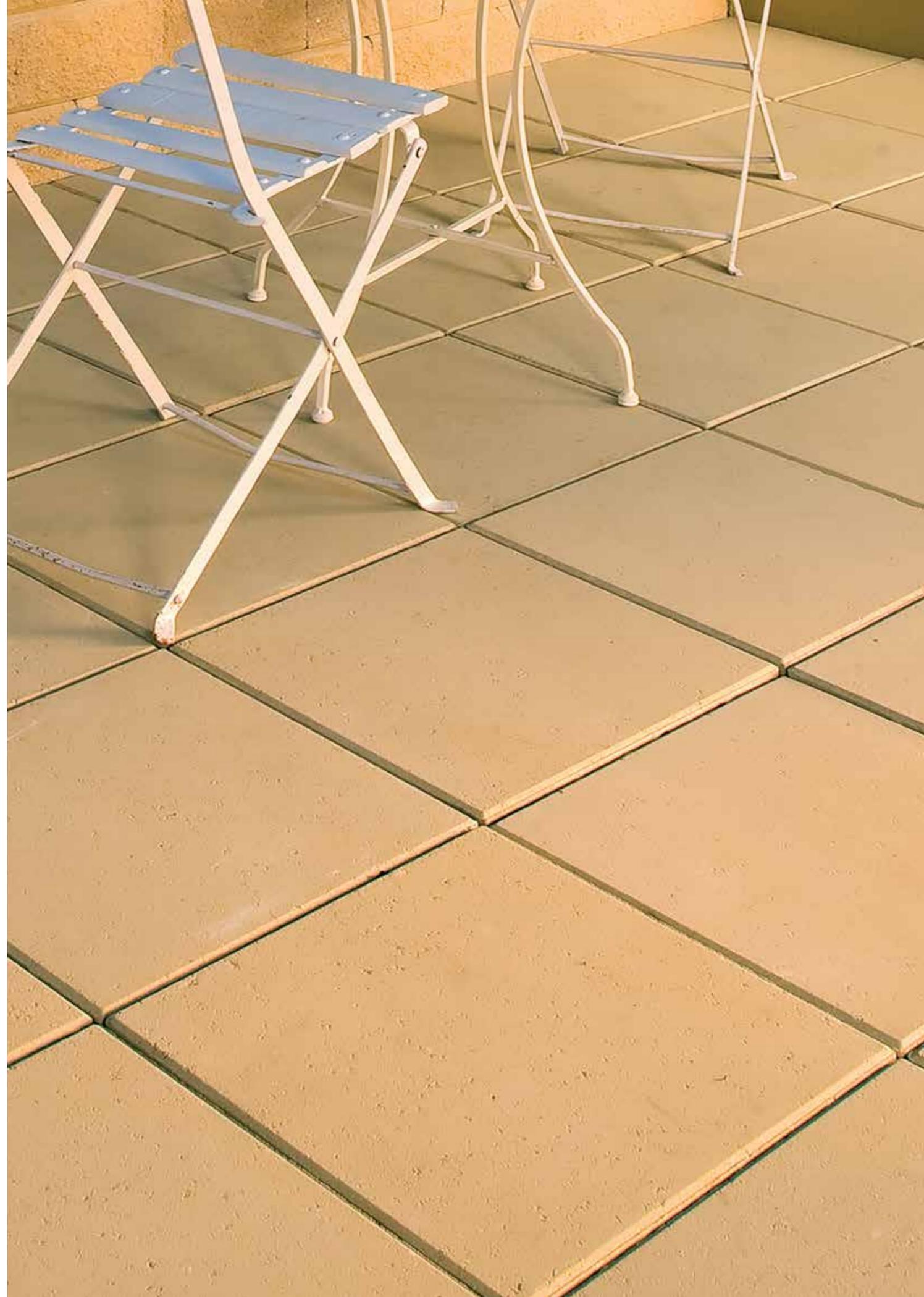
Broadway 400

Size: 400L x 400W x 45H mm

Weight (each): 16kg

Units per m²: 6.25

Product - Broadway 300 | Almond



Techpave

Techpave can support considerable loads making them ideal for industrial, commercial and residential applications. The Techpave range is available in two different sizes and colours to suit a range of applications.

Applications

Domestic Driveways | Commercial and Industrial Vehicle
Car Parks | Low-Medium Volume Pedestrian Traffic
Laneways, Residential Streets and Roads | Factory and Container Yards

Colours



Almond



Charcoal

Types



Techpave 80

Size: 230L x 115W x 80H mm

Weight (each): 4.5kg

Face Area: 38 units per m²

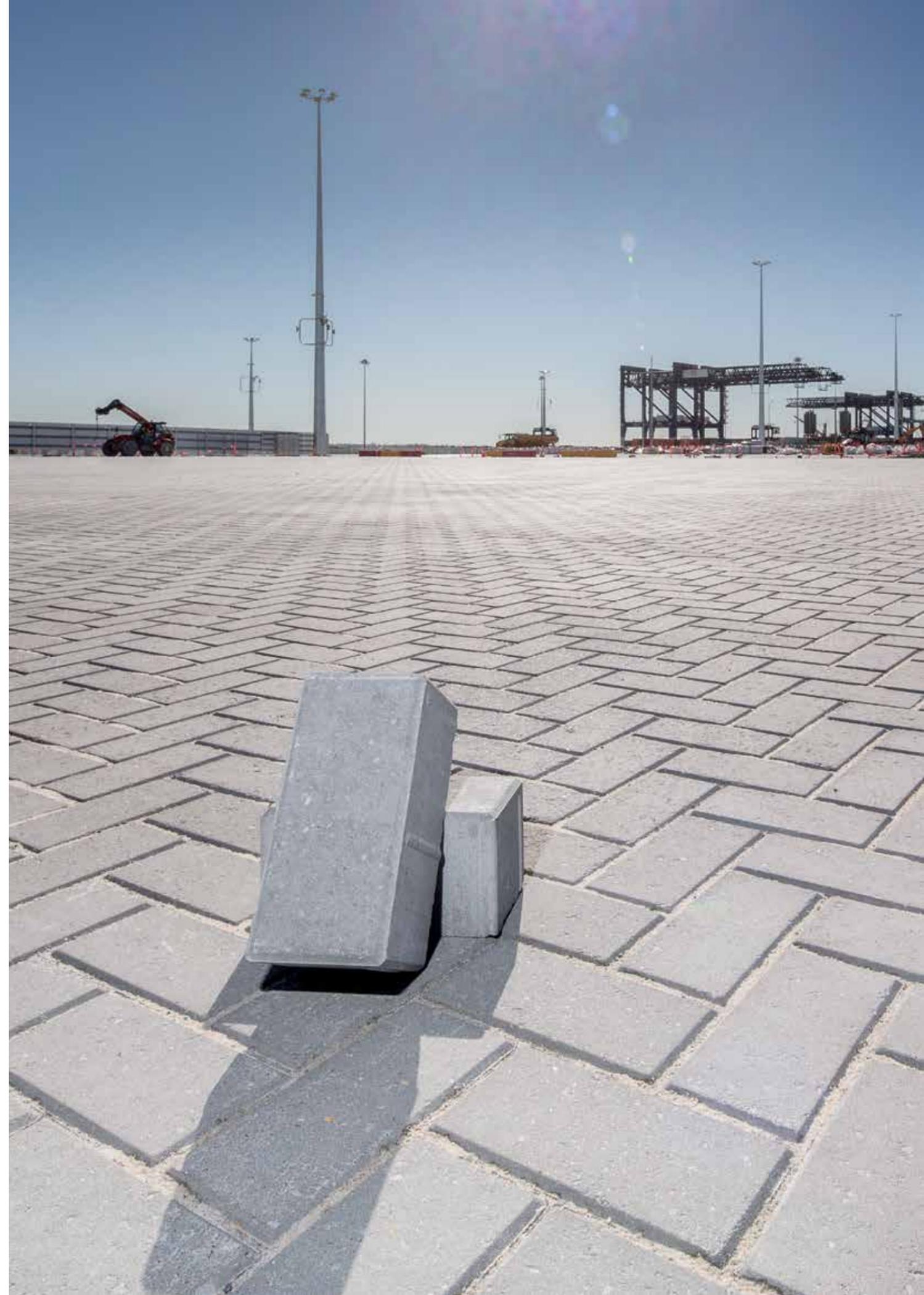


Techpave 100

Size: 210L x 105W x 100H mm

Weight (each): 4.5kg

Face Area: 45.4 units per m²



Product - Techpave | Natural

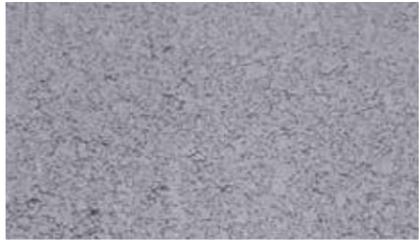
Interlock

Interlock 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 to finish the edges.

Applications

Domestic Driveways | Commercial and Industrial Vehicle
Car Parks | Low-Medium Volume Pedestrian Traffic
Laneways, Residential Streets and Roads | Factory and Container Yards

Colours



Natural



Almond



Charcoal

Types

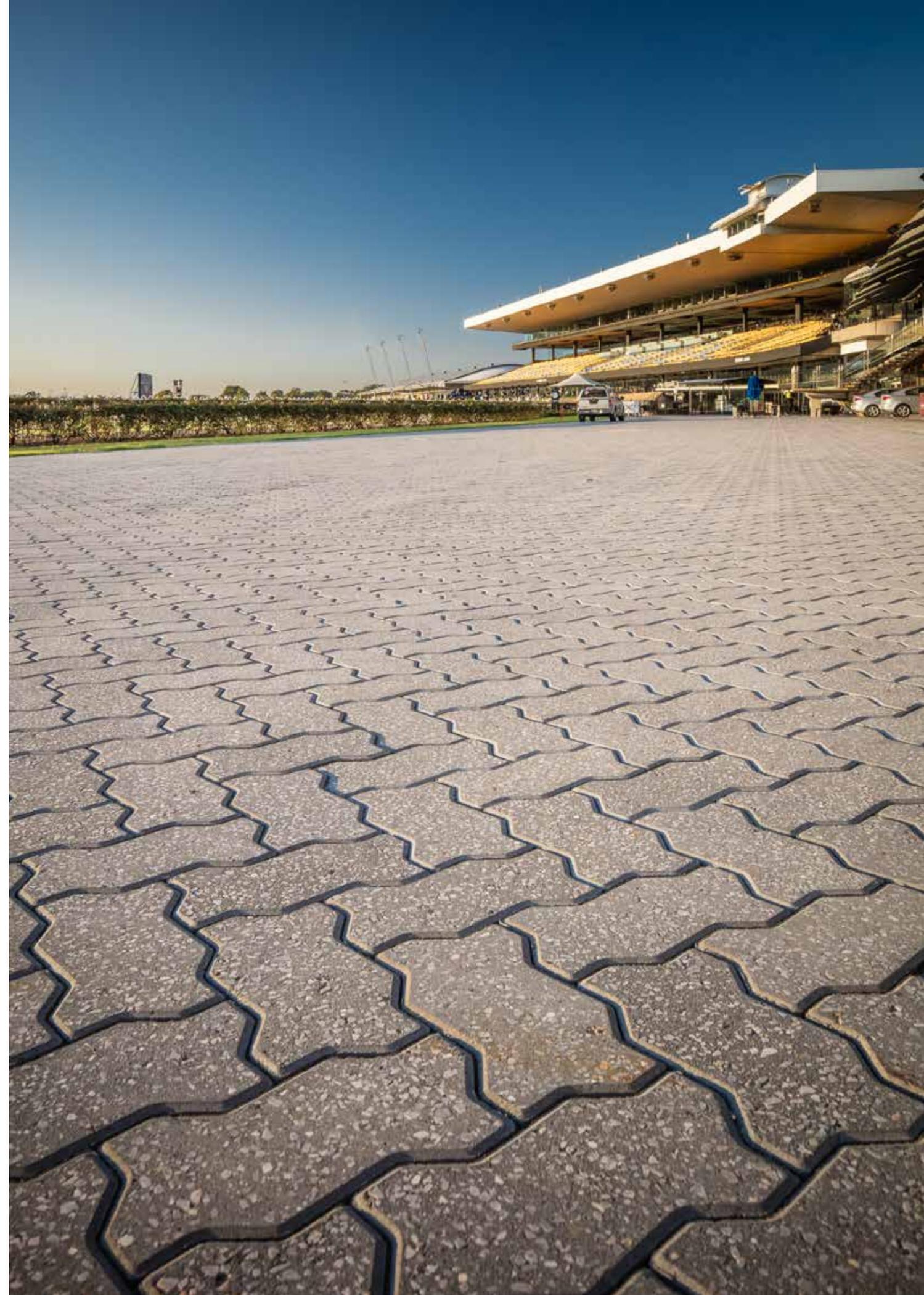


Interlock 80

Size: 225L x 112W x 80H mm

Weight (each): 4.3kg

Face Area: 40 units per m²



Product - Interlock | Natural Honed

Causeway

Causeway permeable pavers are a unique product which features small nibs on each side that creates a small gap between pavers, allowing water to penetrate between them. An intelligent hardstand solution, Causeway pavers can support heavy loads and reduce drainage infrastructure requirements and the costs associated.

Applications Landscaping | Domestic Driveways | Car Parks | Pedestrian

Colours



Charcoal

Types



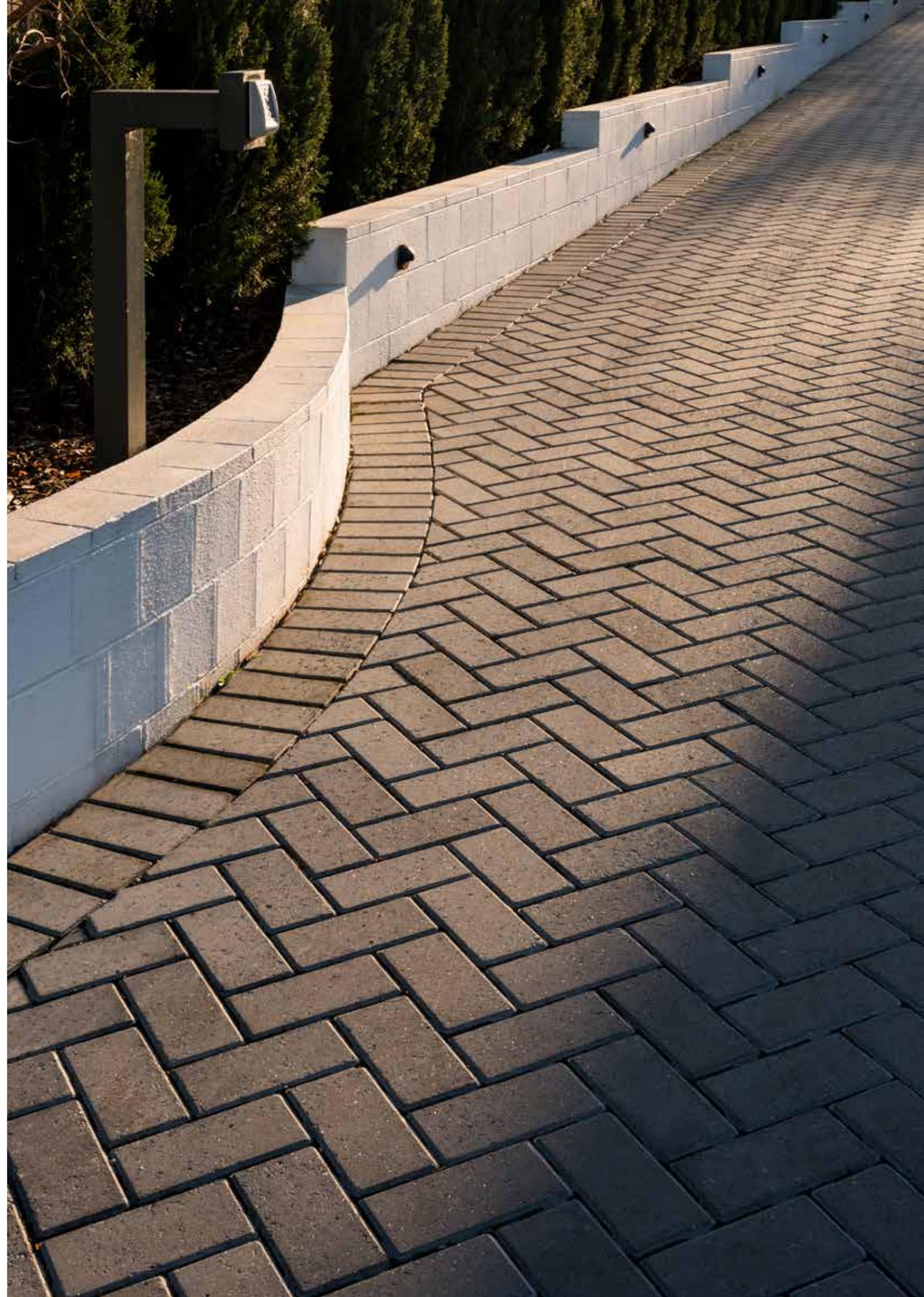
Causeway

Size: 230L x 115W x 80H mm

Weight (each): 4.3kg

Face Area: 38 units per m²

Product - Causeway | Charcoal





Product Details

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3

Lay Pavers on Flexible Base

Materials required

- Pavers
- Gravel Road base (1m³ covers 10m² at a compacted depth of 100mm)
- Bedding Sand (1m³ will cover 30m² at a depth of 30mm)
- String lines, tape measure and pegs
- Spirit level
- Two Screed Rails – two flat steel bars (Approx. 3m x 50mm x 2mm)
- 2–3m long concreter’s screed
- Broom, rake and shovel
- Plate vibrator compactor
- Edge restraints (concrete, cement or timber)
- Cutting Equipment – Paver Splitter/ Masonry Brick Saw

1.

Base Course

The base course shall be 75 to 100mm thick gravel road base. The base course shall be levelled within a tolerance of no more than 5mm from the base of the level in any direction. It shall be of an even thickness and adequate drainage precautions taken. It should be correctly compacted to suit the intended application. There should be no ponding on the surface of the base course as this may cause problems with the integrity of the paving application.

2.

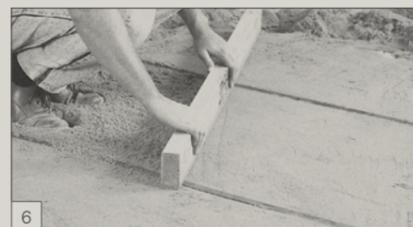
Bedding Sand

Bedding Sand - cover the sub base with well graded coarse bedding sand. Ensure that the sand is relatively dry and spread evenly, then compact with a hand held or mechanical compactor. The thicknesses of the bedding sand should be between 25 and 30mm thick when compacted.

3.

Levelling

Use a screed to level the sand and allow for a slight fall away from any walls to ensure adequate drainage.



For Pedestrian only (no vehicles)
eg: patios, courtyards and paths.
It is recommended to use a qualified experienced trades person.

4.

Grid Lines

The pavers can be placed on the bedding sand and the grid lines.

5.

Edge Restraints

The perimeter of all paved areas should be provided with edge restraints to prevent lateral spread of the pavers and consequent loss of interlock. An edge beam may be necessary to put in place if the paving area doesn't provide them i.e. a wall or kerb etc. The edge beams are generally made using a concrete mix to the relative Australian Standards.

6.

Compacting

Compacting of the paved area can be done using an appropriate compacting plate with the plate covered with a soft layer of material to avoid chipping the surface of the pavers (ie carpet).

7.

Joints

The joints in the pavers should be a minimum of 6mm and can be filled after compaction with appropriate jointing sand swept into the joints. Spread dry sand over the paved area and brush it into the vertical joints with a stiff bristled broom. Please clean the area of excess sand before final compaction.

8.

Re-compacting

The area can be re-compacted after the joints have been swept with sand and more sand applied where necessary.

9.

Regular Checks

Regular checks should be done to ensure that the paving is performing as desired and any maintenance should be carried out to ensure the structural integrity of the paving.

Austral Masonry recommends sealing of all pavers after installation.



Lay Pavers on a Rigid Base

Installing the Concrete Foundation

The foundation you lay will depend on the traffic that the paved area will support. Please follow the following guidelines:

Pedestrian traffic only: reinforced concrete 75mm thick

Vehicle traffic: reinforced (F72 mesh) concrete base 100mm thick minimum 25MPa

*Engineers advice should be sought in the design of all concrete. Contractors should also consider drainage and/or waterproofing issues to minimise the risk of rising humidity which can bring salts contained in the soil or in the bedding layers to the surface.

1.

Slope

When dealing with outdoor paving, special attention must be paid during planning to respond adequately to rainwater run-off. This is done by dividing the floor field into different drainage surfaces if necessary and giving them effective slope and perfect flatness. This will avoid trapping water on the floor surface. The following slopes are recommended:

- Small flooring surfaces: gradient > 1%
- Large flooring surfaces: gradient > 2%

2.

Control joints

Control joints are recommended for the substrate (concrete sub base). The joints in the concrete base should be continued through the mortar bed and grout joint. Control joints help absorb variations in the flooring caused by temperature swings and other movement in the sub grade, concrete base, mortar or actual product itself. In addition to structural concrete joints, tiled/paved surfaces should also include appropriate control joints every 20 m² that penetrate through the product and the bedding mix, but not through the concrete substrate.

Generally, the overall floor field is divided into compartments where technical expansion joints are set out in a crosswise and/or longitudinal direction (minimum 5 mm joints every five metres).

Use of control joints will greatly reduce the chance of unsightly surface cracks appearing.

3.

Batch mixing - colour

Slightvariations in colour are an inherent characteristic of the product. We suggest selecting product from all pallets delivered whilst laying. This will enhance the natural look of the product and the overall effect of the area that has been laid.

4.

The pavers can be placed on the bedding sand using grid or string lines to ensure alignment.

5.

Waterproofing

In areas that may be affected by efflorescence or unusually high moisture levels, it may be necessary to coat the substrate prior to laying with a waterproofing compound.

6.

Sealants

A penetrating spirit based non-slip sealer is recommended in all applications to protect from staining and moisture. This is of particular importance for pool installations.



Lay Pavers on a Rigid Base

Laying Pavers on Concrete Base

It is recommended that the slab to which the mortar is going to be applied, be free and clear of all dust and debris. It is vital to ensure that the surface is clean, to enable a good bond to take place between the mortar and the concrete base.

7.

Mortar compound

The recommended mix is:

- 3-parts blended coarse washed sand (as per Australian Standards)
- 1-part Portland type GP cement (as per Australian Standards)
- 1-part clean water (Note: additional water can be added to achieve the desired consistency)
- Bonding agent: this will help with the workability, adhesion and strength

This can be mixed with a paddle mixer or in a barrel cement mixer. It should be mixed until free of all lumps and all material is completely blended together.

It is recommended that the proportioning of the materials used in the installation of pavers that buckets (not shovels) are used.

8.

Bonding slurry compound

1. Cement and water mixed into a workable paste using the recommended mix, or;
 - 1-parts blended coarse washed sand (as per Australian Standards)
 - 6-part Portland type GP cement (as per Australian Standards)
 - Sufficient water to form a slurry of workable consistency
2. Cement and bonding agent (SBR based) mixed into a workable paste

9.

Concrete laying method

1. Clean and dampen the concrete on which the product is to be laid.
2. Apply the bonding slurry to the concrete where the mortar is to be placed in an even coat (1 to 2 mm thick).
3. Place the mortar mix on the concrete and the paste on which the product is to be laid. The mortar bed should be 25 mm thick with no voids and evenly spread.
4. Remove all loose material from the back of the product before laying.
5. Apply the bonding slurry to the back of the product in an even coating (1 to 2 mm thick).
6. Place the product into position gently tapping down with a rubber mallet (white rubber mallet is recommended to avoid marking the product). It is

important to ensure that there are no air voids under the product as this may cause the adhesion of the product to fail or the product may not be fully supported.

7. Tap the product down to the desired level.
8. Trowel fill any voids around the product and remove any excess mortar and discard it.
9. Remove all excess material from the surface of the product using a clean sponge with clean water. It is important to work as cleanly as possible to avoid marking the product.
10. Do not spread too much mortar as it may begin to dry before you have laid the product. Work in small controlled areas.

10.

Grouting

Grout Compound

It is recommended to use a high grade pre-bagged grouting compound that is suitable for the application. It should cater for grout joints of between 7 to 10 mm.

Grout Methods

1. Dampen grout joints and product with a sponge.
2. Place grout into joints, ensuring no voids, to the full depth of the product.
3. Remove any excess grout with a trowel.
4. Sponge clean the paving surface with water, ensuring all excess grout has been removed.

11.

Cleaning

Product should be cleaned when grouting material has set. Cleaning will enable any grouting residue to be removed.

1. Wet the area you wish to clean down.
2. Apply a pH neutral cleaning solution or other approved cleaning system.
3. Gently agitate surface with a stiff broom or scrubber.
4. Rinse surface thoroughly using a neutral cleaner.

It is recommended to work in small areas at a time (3 to 4 m²) and thoroughly wash as you go. It is important to have a well wet down surface before you apply the cleaning mix.

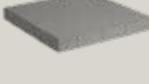
12.

Pool Installations

We recommend all coping units that is subject to continual wetting and drying should be dip sealed, prior to laying, with an appropriate sealer.

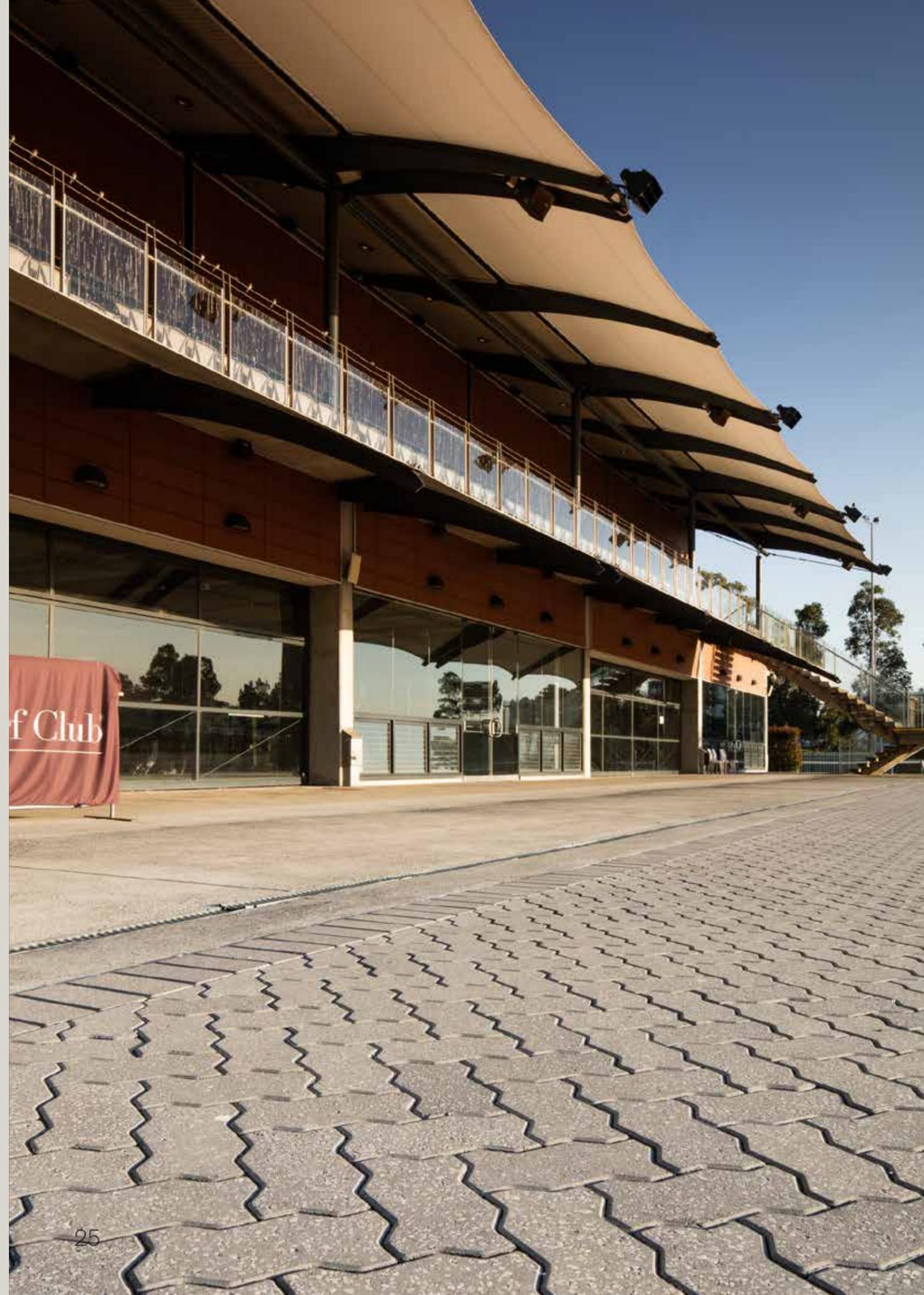
Design Details

Pavers

Product	Range	Description	Size (mm)	Weight	Coverage	Applications
	Camino 50	Standard Unit	230L x 115W x 50H	2.8kg	37.8 Units per m ²	Pools Pedestrian Driveways
	Broadway 150	Standard Unit	300L x 150W x 60H	5.8kg	22.2 Units per m ²	Pools Pedestrian
	Broadway 300	Standard Unit	300L x 300W x 50H	9.8kg	11.11 Units per m ²	Pools Pedestrian
	Broadway 400	Standard Unit	400L x 400W x 45H	16kg	6.25 Units per m ²	Pools Pedestrian
	Techpave 80	Standard Unit	230L x 115W x 80H	4.5kg	38 Units per m ²	Driveways Car Parks Pedestrian
	Techpave 100	Standard Unit	210L x 105W x 100H	4.5kg	45.4 Units per m ²	Driveways Car Parks Pedestrian
	Interlock	Standard Unit	225L x 112W x 80H	4.3kg	40 Units per m ²	Driveways Airport Taxiways Car Parks
	Causeway	Standard Unit	230L x 115W x 80H	4.3kg	38 Units per m ²	Landscaping Driveways Car Parks

Need more information?

Please contact your Austral Masonry representative or visit our Design Centres



Ideas for Inspiration

Whatever your ideas, we have the products to turn them into reality.



Coloured Masonry Blocks and Breeze Blocks

Our extensive range of architectural masonry products are available in a range of sizes, formats, and finishes from Austral Masonry and GB Masonry.



Grey Masonry Blocks

Austral Masonry offer an extensive range of sizes and formats with light weight options available in selected locations.



Retaining Walls

Choose from concrete retaining wall blocks or concrete sleepers suitable for DIY, general landscaping or large scale commercial retaining wall applications.



Engineered Pavers

Offered exclusively from UrbanStone, the engineered range of pavers are the pinnacle in quality and style.



Natural Stone

Granite, Marble and Limestone flooring, and natural stone wall cladding are style solutions created by nature and perfected by UrbanStone.



Porcelain Stoneware*

Created in Italy by Keope Ceramiche, our porcelain stoneware collection is the epitome of style, designed to suit indoor and outdoor applications.



Concrete Pavers

For commercial and residential applications, our range includes a collection of sizes, textures and a plethora of colours.



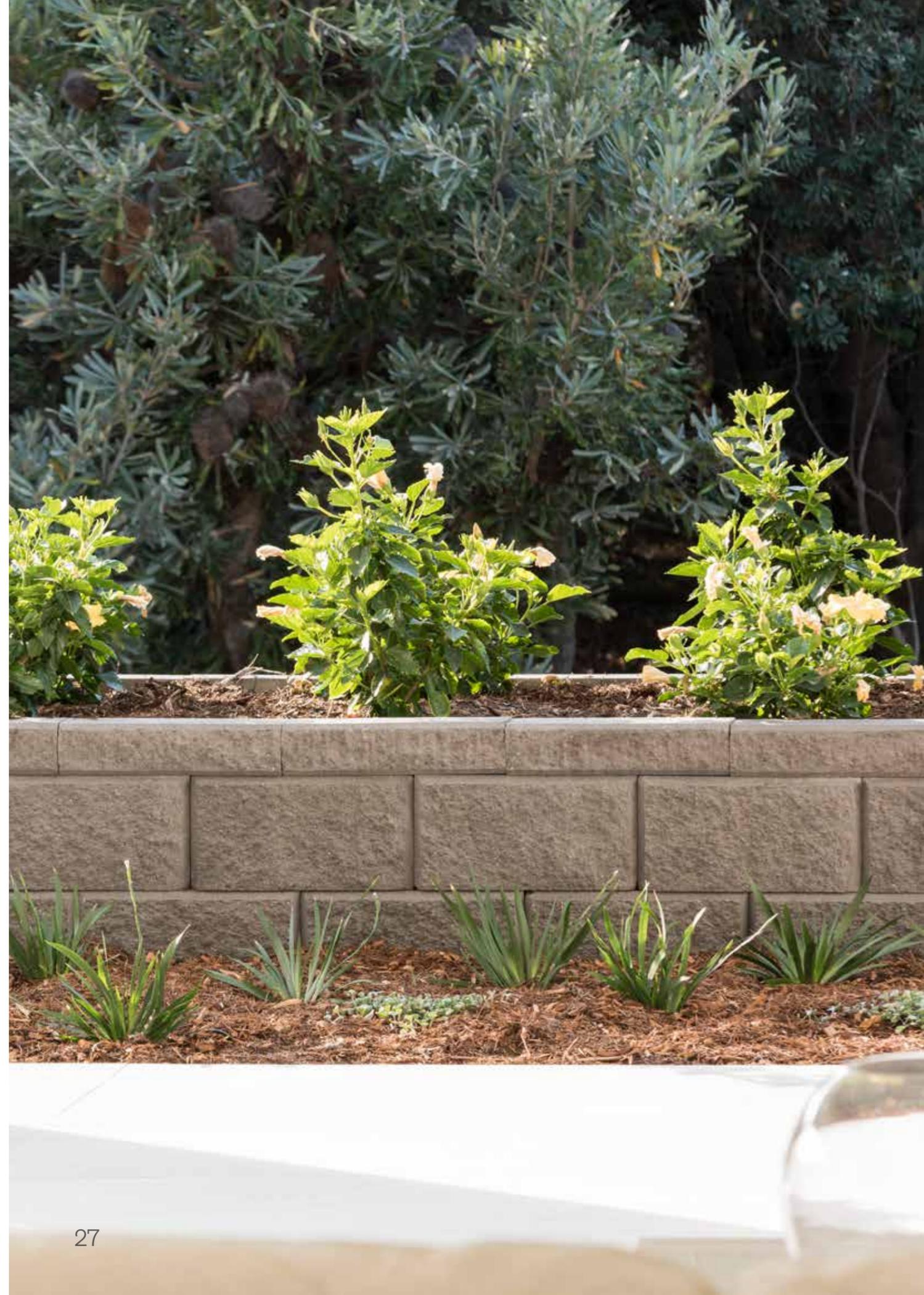
Limestone Blocks*

The engineered limestone and natural limestone block range is sourced through quarries in Western Australia with two finishes available to complement the natural limestone colour.



Preblended Mortar and Accessories

From Mortex preblended mortar, to concrete sealers and mortar additives, Austral Masonry offers a host of installation accessories.



Discover More

Inspiration doesn't always come naturally, and your roof is going to be there for a long time, so it's worth taking your time to enjoy the creative process. From visiting us at our Design Studios, and exploring our iVisualise Tools online, to chatting in person or over the phone, we're here to help.



Discover

Brickworks Design Studios

Your local Brickworks design studio is a one-stop destination for advice and inspiration, where you can experience the quality of our product range first-hand. Our experienced consultants will guide you through the range and help you find the best possible solution for your project – within your budget.

Call.
1300 Masonry

Create

iVisualise Tools

Using artificial intelligence and digital technology, you're now able to experience colours, forms and profiles with our online colour visualisation tool. iVisualise helps make selection seamless and simple – whether you're looking for a traditional product, or something more contemporary.

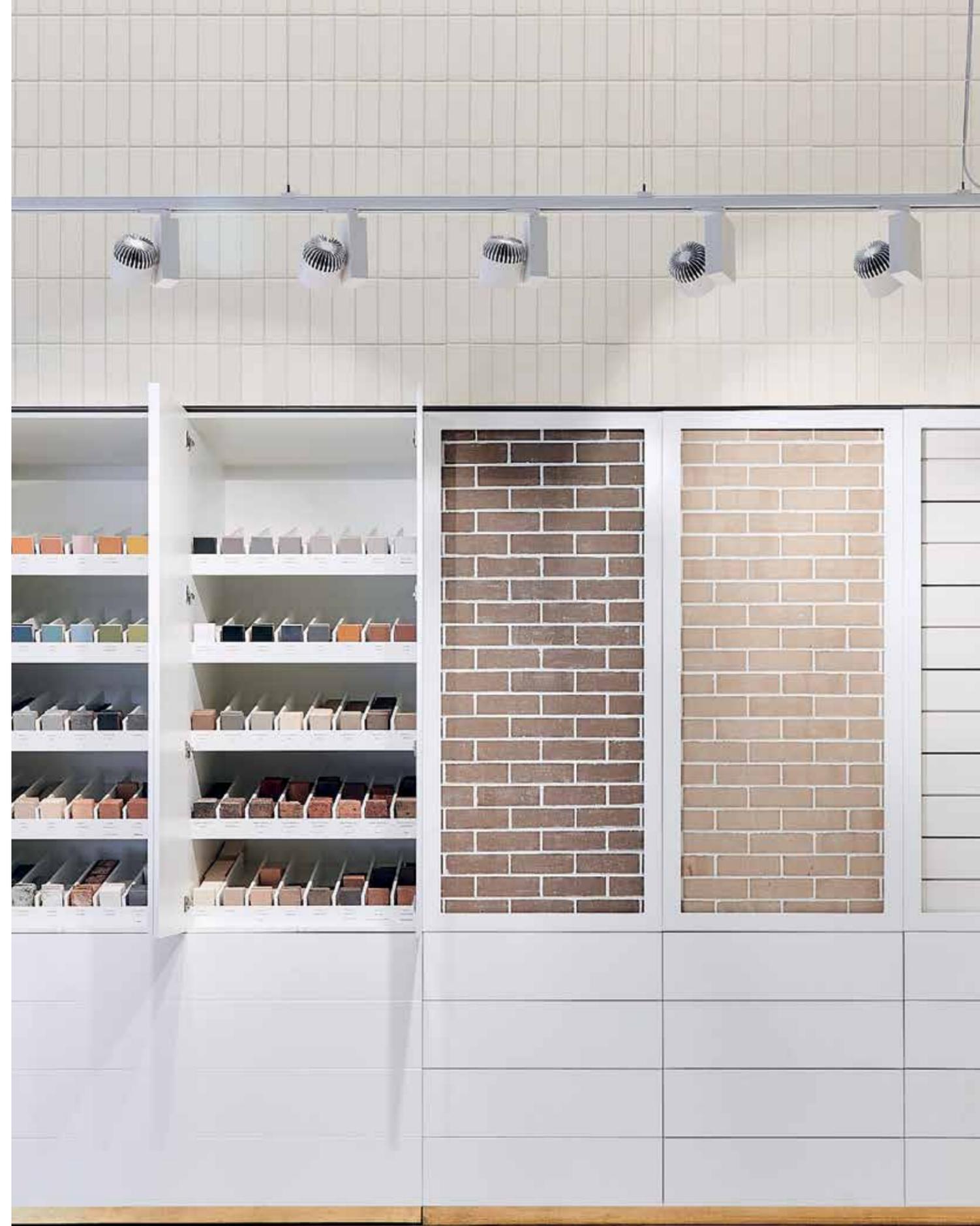
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Learn

Colour Consultations

Building or renovating a home is a major investment – and it should be an enjoyable experience for you. We can help with a one-to-one colour consultation where our experts can guide you on colour trends, the right fit and style, and ideas that will give you a genuinely individual look.

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Backed by Brickworks

Local expertise. Global quality. Brickworks Building Products are one of Australia's biggest building material producers. With heritage going all the way back to one of Australia's founding brick producers, we're proud of our reputation for design, innovation and sustainability.

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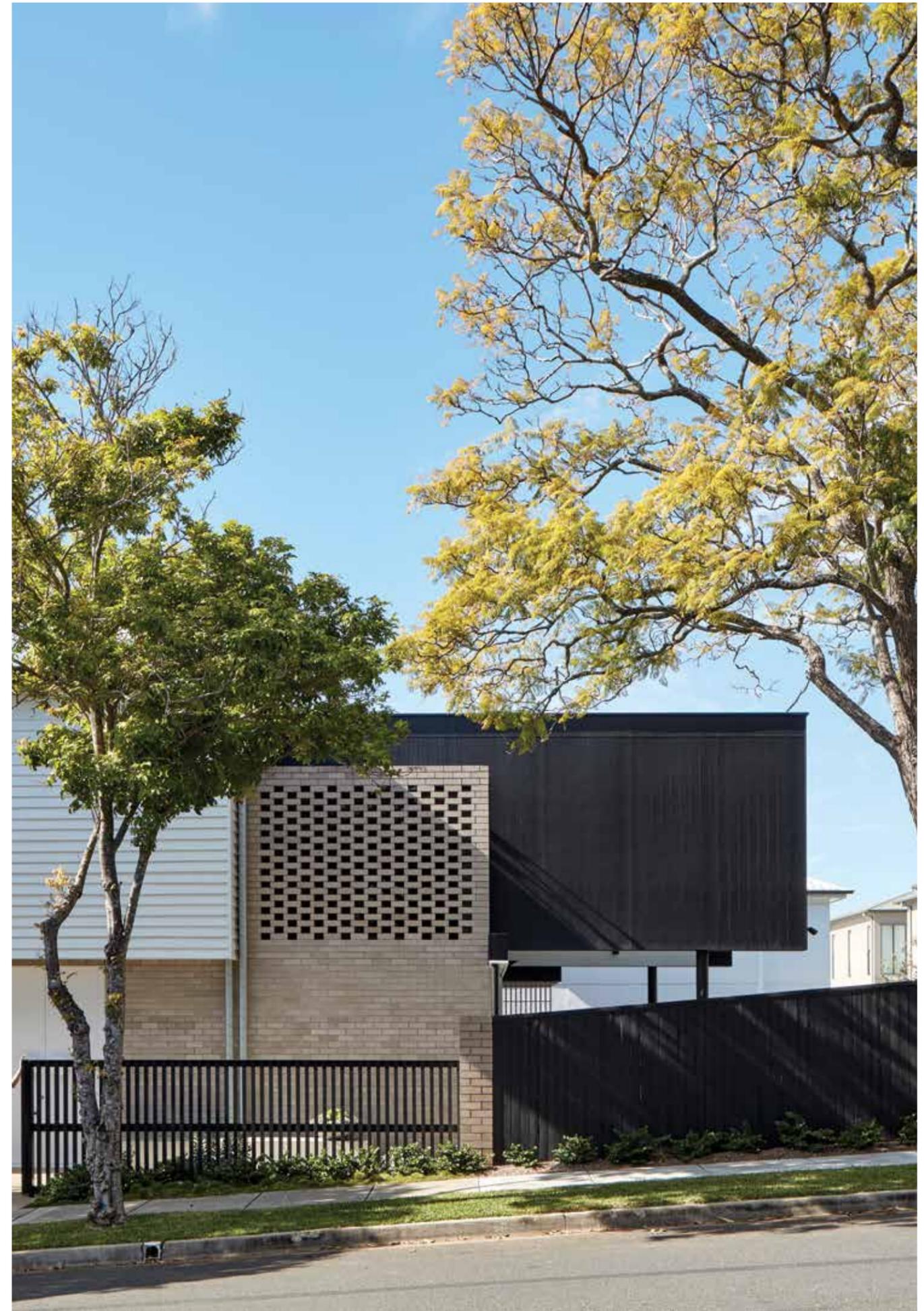
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NORTH AMERICA



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Get in touch

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For more information, advice and samples get in touch with the Austral Masonry team.

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Grovedale VIC 3216

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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. 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. 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.

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