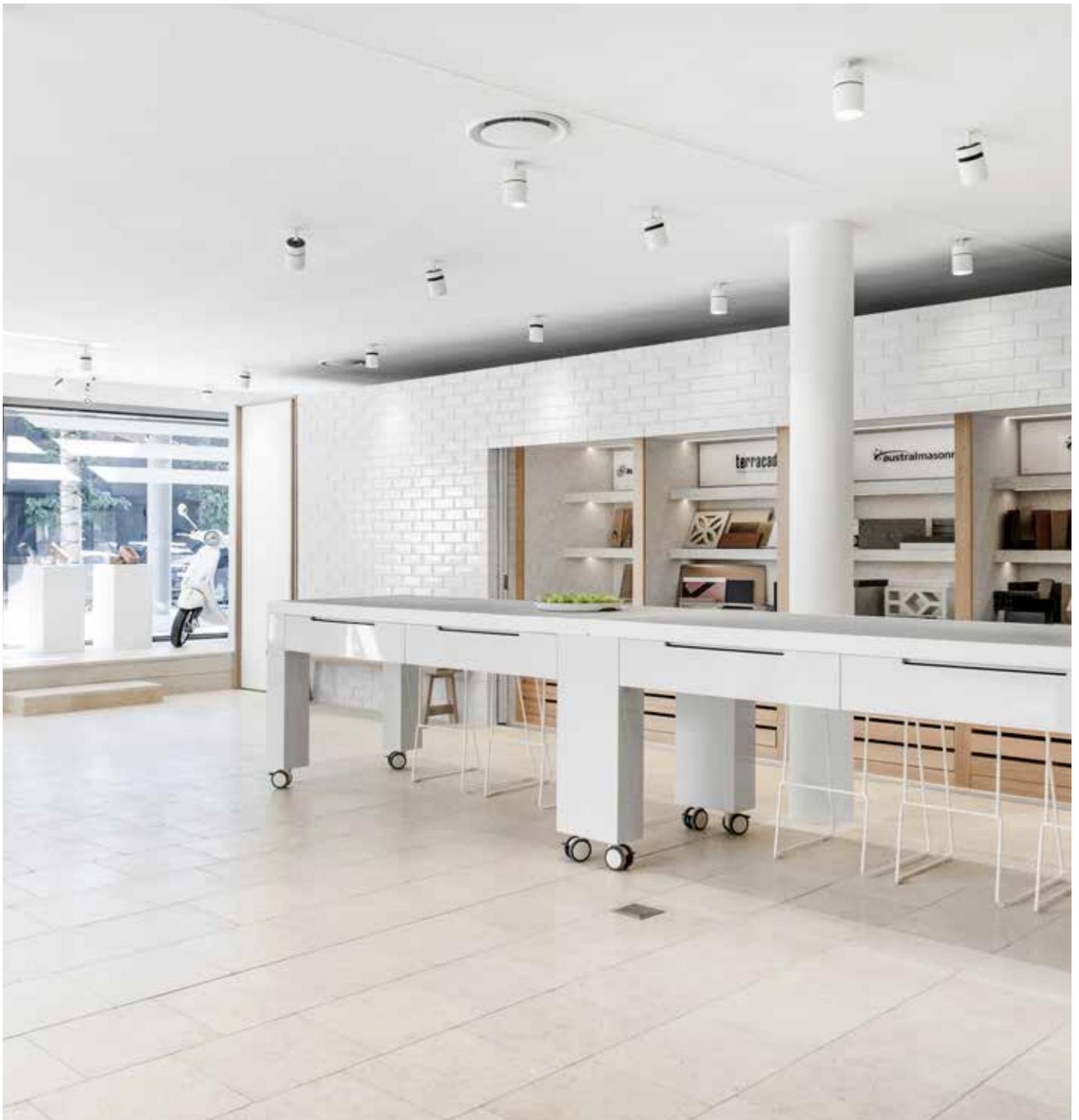


ENDURASTONE & TERRE

natural stone products





BEAUTIFUL PRODUCTS

that last forever

Our range of natural stone products have set a new standard in quality and style.

Sourced from some of the world's finest deposits of granite and limestone, we only select stone products with vibrant colour, refined textures and outstanding 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.

Our range of stone products are quality controlled and only the finest samples selected for projects of distinction.

Part of the Brickworks Building Products Group, one of Australia's largest and most innovative building product manufacturers, Austral Masonry is part of a group of manufacturers which includes other industry leading brands such as Austral Bricks, Bristle Roofing, Austral Precast and Auswest Timbers.

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style and function

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style and function

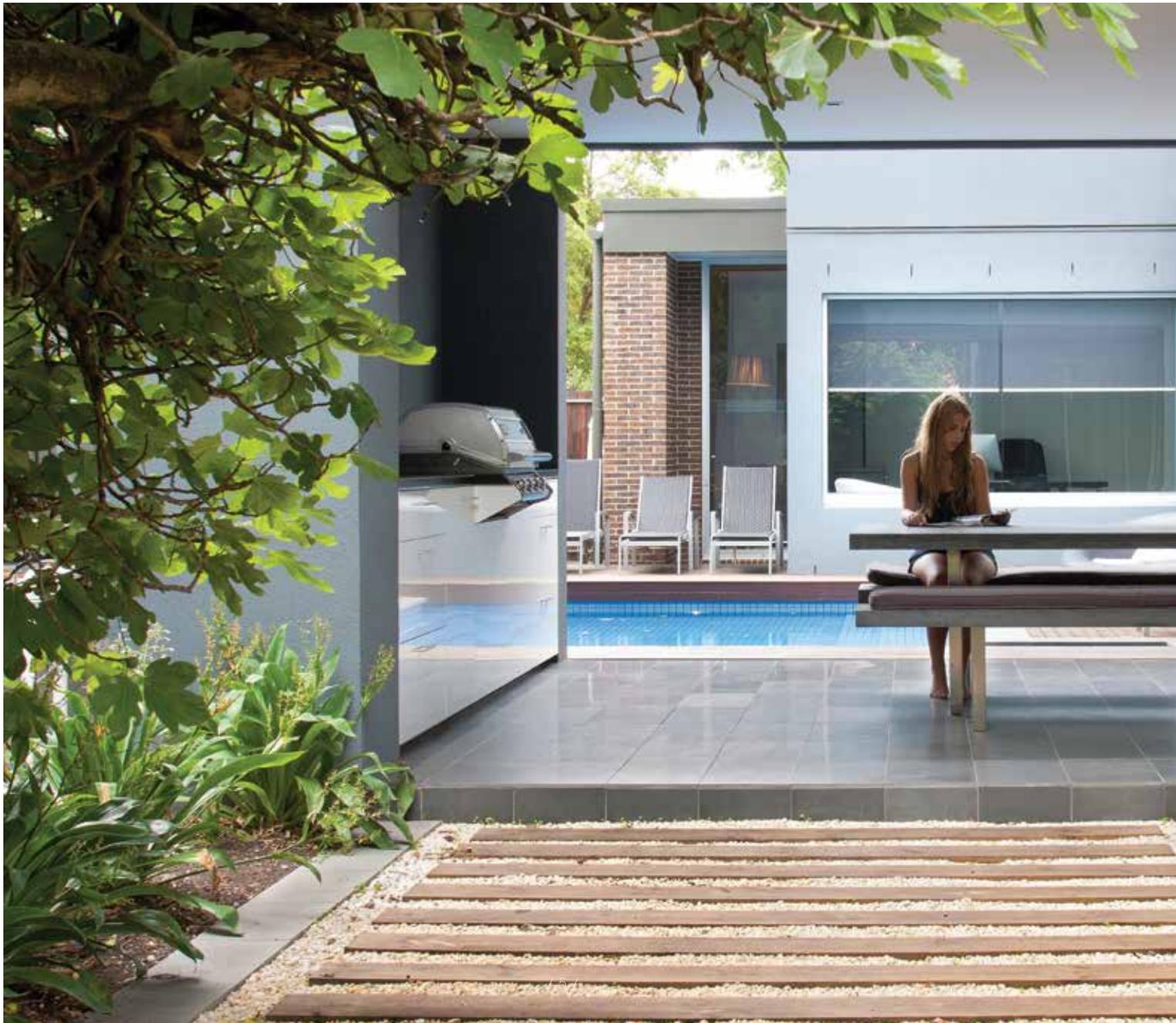
*inspired
by design*

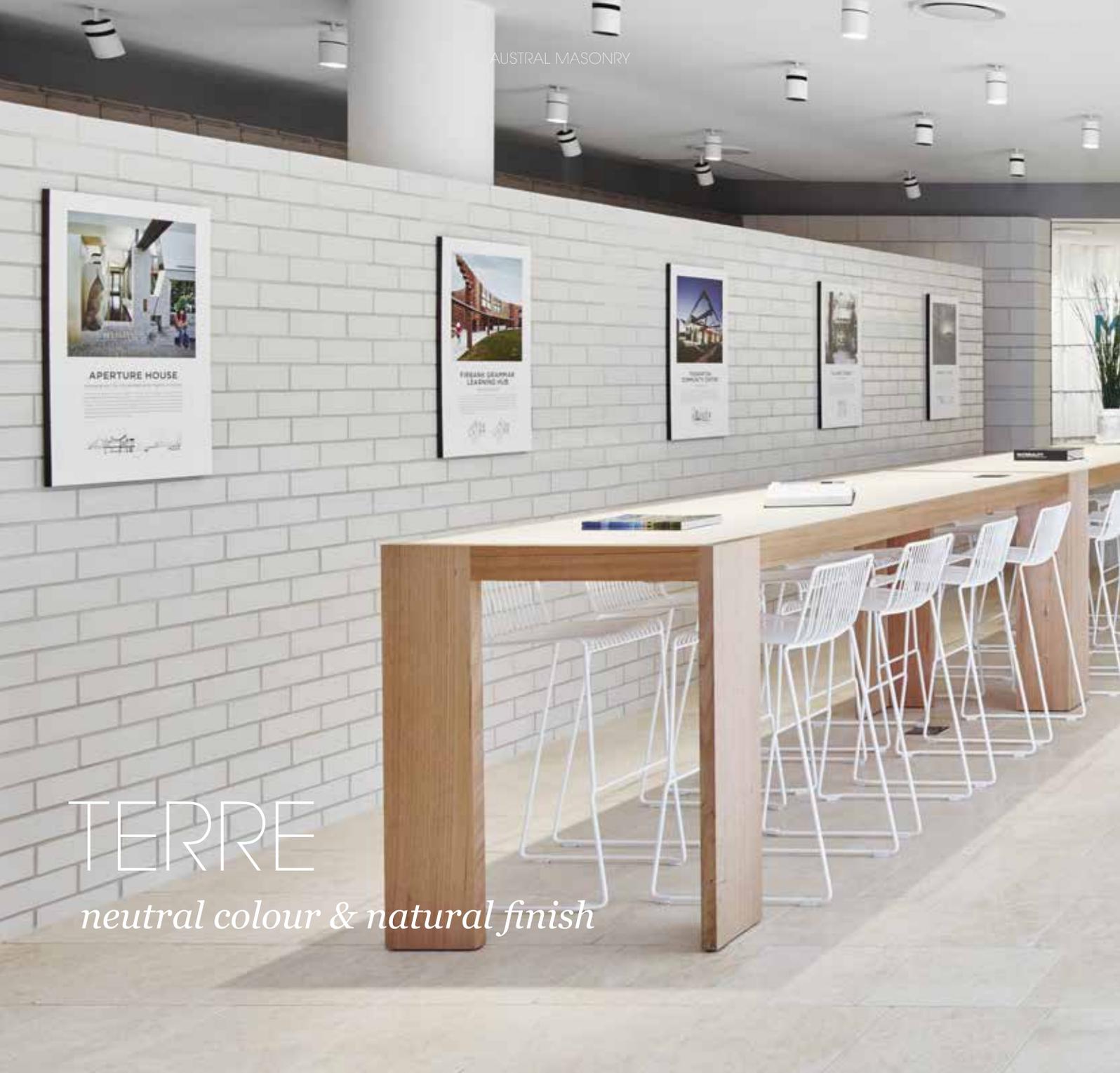


Cover Image: Terre Marigold

Top right: Endurastone Flamed Black Granite

Bottom right: Endurastone Flamed Black Granite





TERRE

neutral colour & natural finish

Created by nature, the Terre range is made from limestone deposited by mineral springs.

Natural and beautiful, this exciting range offers a sophisticated finish that suits a range of designs and colour schemes.

Applications

Internal Living Areas

Paths

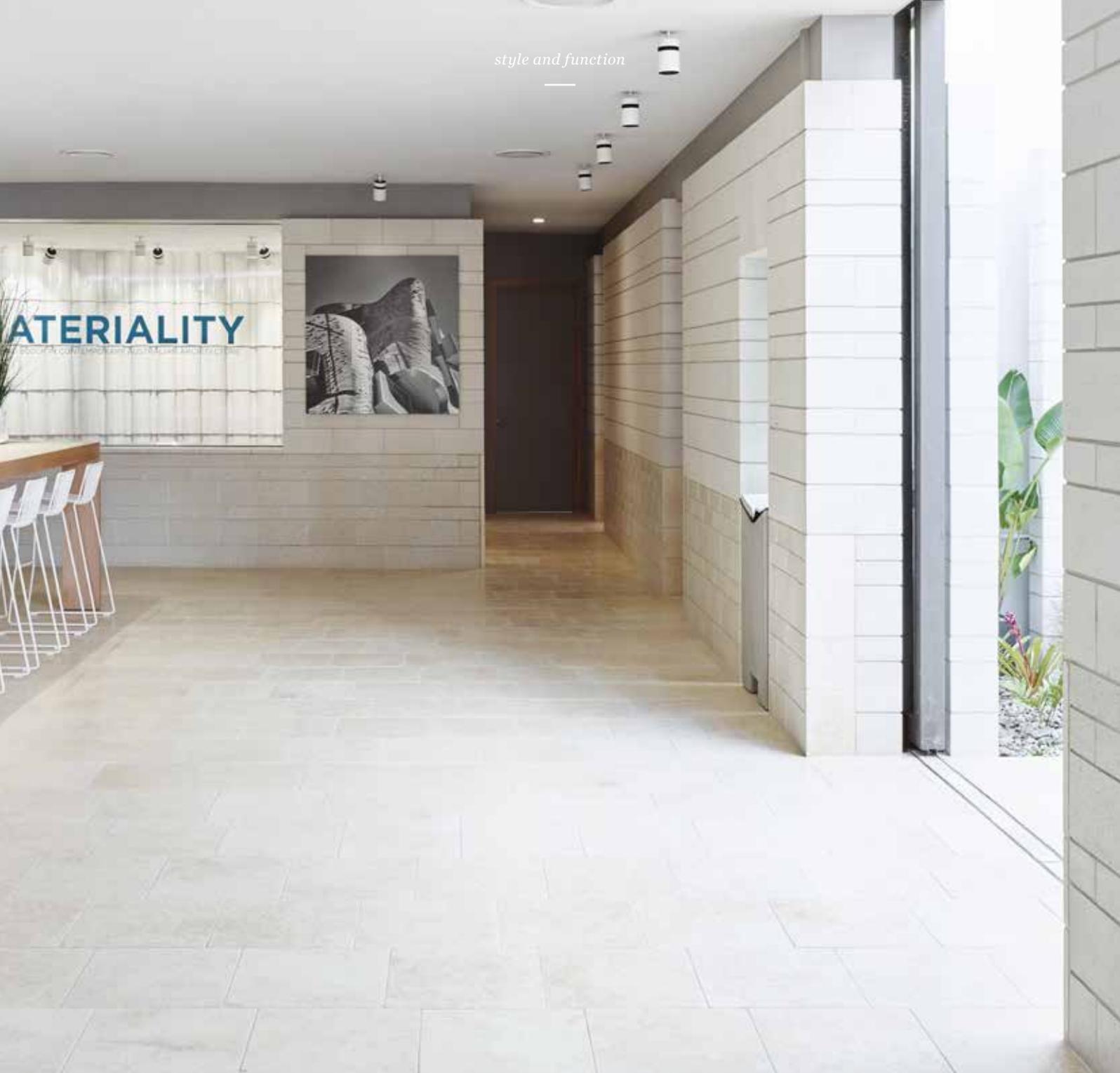
Patios

Pools*

Courtyards

*Check installation requirements with Austral Masonry.

All colours P4 Slip Rating.



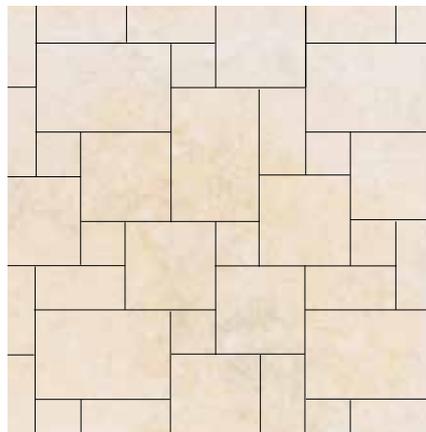
Marigold



Standard Unit
Size: 400 L x 400 W x 30 H mm
600 L x 400 W x 30 H mm



Bullnose Unit
Size: 400 L x 400 W x 30 H mm
600 L x 400 W x 30 H mm



French Pattern
Sold in 1.44 sq metre units composed of the following sizes:
2 x 600 L x 400 W x 30 H mm 2 x 400 L x 200 W x 30 H mm
4 x 400 L x 400 W x 30 H mm 4 x 200 L x 200 W x 30 H mm

ENDURASTONE FLAMED

create a look of distinction

Endurastone Flamed pavers are available in a flamed finish so they can be used for internal and external areas, or even around pool areas. Made from granite, each colour shows a subtle sparkle where the light touches.

Applications

Internal Living Areas

Pools*

Paths

Patios

Courtyards

*Check installation requirements with Austral Masonry.

Silver Granite P5 Slip Rating.

Black Granite and Grey Granite P4 Slip Rating.

style and function



Black Granite



Grey Granite



Silver Granite



Standard Unit

Size: 400 L x 400 W x 20 H mm
400 L x 400 W x 30 H mm*
600 L x 400 W x 20 H mm
600 L x 400 W x 30 H mm*
600 L x 600 W x 20 H mm
600 L x 600 W x 30 H mm*



Bullnose Unit

Size: 400 L x 400 W x 20 H mm
400 L x 400 W x 30 H mm*
600 L x 400 W x 20 H mm

* These products are available in Western Australia only

HOW TO

install Terre and Endurastone Flamed

Overview

Please note these tips are intended as a guide only and should be used in addition to the relevant Australian Standards for trade practices. Note that installation may vary from site to site with conditions experienced on that site (i.e. soil conditions, pool surrounds, driveways etc.). The contractor should decide if these suggestions are suitable for their application or require further adjustment. These tips are given in good faith and to the best of our knowledge and experience at the time of printing. In no way do these tips replace the services of professional contractors and/or consultants.

The 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.

Slope

When dealing with outdoor stone flooring, special attention must be paid during planning in order 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%

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 20m² that penetrate through the stone 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 5mm joints every five metres).

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

Batch Mixing - Colour

Given stone is a natural product, variations 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.

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.

Sealers

A penetrating spirit based non-slip sealer is recommended to protect from oil-based stains.

Preparation

Surface preparation

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.

Mortar compound

Recommended mix is:

- 3 parts blended coarse washed sand (as per Australian Standards)
- 1 part Grey Portland cement (type GP cement)
- 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.

Bonding slurry compound

1. Cement and water mixed into a workable paste or;
2. Cement and bonding agent (SBR based) mixed into a workable paste

Laying Method

1. Clean and dampen the concrete on which the stone is to be laid.
2. Apply the Slurry Mix to the concrete where the mortar is to be placed in an even coat (1-2mm thick).
3. Place the mortar mix on the concrete and the paste on which the stone is to be laid. The mortar bed should be 25mm thick with no voids and evenly spread.
4. Remove all loose material from the back of the stone before laying.
5. Apply the Slurry Mix to the back of the stone in an even coating (1-2mm thick).
6. Place the stone 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 stone to fail or the product may not be fully supported.
7. Tap the stone 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 stone 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 stone. Work in smaller controlled areas.

Grout

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 7-10mm.

Grout Methods

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

Cleaning

Stone 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 (3-4m²) and thoroughly wash as you go. It is important to have a well wet down surface before you apply the cleaning mix.

Pool Installations

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

PRODUCT

information

Product	Range	Description	Size	Coverage	Slip Rating	Applications
	Endurastone Flamed	Standard Unit	400 L x 400 W x 20 H mm			
			400 L x 400 W x 30 H mm**	6.25 Units per m ²		Pools*
			600 L x 400 W x 20 H mm	4 Units per m ²	Black Granite - P4 Grey Granite - P4 Silver Granite - P5	Pedestrian
			600 L x 400 W x 30 H mm**	4.166 Units per m ²		Driveways^
			600 L x 600 W x 20 H mm	2.77 Units per m ²		Indoor
	Endurastone Flamed	Bullnose Unit	400 L x 400 W x 20 H mm	6.25 Units per m ²	Black Granite - P4 Grey Granite - P4 Silver Granite - P5	Pools*
			400 L x 400 W x 30 H mm**	4 Units per m ²		Pedestrian
			600 L x 400 W x 20 H mm	4.166 Units per m ²		Driveways^
	Terre	Standard Unit	400 L x 400 W x 30 H mm	6.25 Units per m ²	Marigold - P4	Pools*
			600 L x 400 W x 30 H mm	4.166 Units per m ²		Pedestrian
						Indoor*

Slip Rating

Applications according to Australian Standard HB198:2014

P5

External ramps steeper than 1:14 | Loading docks | Commercial kitchens | Swimming pool ramps and stairs

P4

External colonnade and walkway | Pedestrian crossings, driveways | Verandahs, Balconies | Serving areas behind bars, cold stores | Swimming pool surrounds | Communal shower rooms

P1

Entries & access areas - public buildings - DRY | Supermarket aisles (except fresh food)

* Endurastone and Terre ranges being used as pool coping are recommended to be sealed on the top and bottom of the unit.

** indicates these units are only available in Western Australia.

^Contact Austral Masonry regarding installation requirements





MAINTENANCE

of terre and endurastone flamed

Maintaining your Terre and Endurastone will ensure its inherent beauty is preserved forever.

By following certain sealing and cleaning guidelines, you can rest assured that your Terre and Endurastone paving will look stylish for the life of your home.

Sealing

Austral Masonry recommends that all Terre and Endurastone products supplied be sealed with a penetrating sealer. Sealing your Terre and Endurastone is a way to protect it from staining and to make your day to day cleaning easier.

Most stone products can stain when they absorb liquids or moisture that are allowed to remain in contact with them for extended periods of time. If you are laying your Terre and Endurastone in an area where they are likely to come in contact with liquids, a sealer should be applied to help avoid future staining.

It is always recommended to seal a test area first and seek advice from your sealer company.

Where Terre and Endurastone is being used as a pool coping, it is recommended to seal underneath the stone units to mitigate potential issues resulting from exposure to chemicals in the pool water.

Cleaning

It is advised that you regularly sweep your Terre and Endurastone to minimize the amount of dirt and debris which settles on the paving and to allow your Terre and Endurastone to continue looking its best.

Depending upon water restrictions, the use of high pressure water cleaners on an annual basis will assist in maintaining your Terre and Endurastone in pristine condition.

In order to prevent staining or dirt build up, Terre and Endurastone should be rinsed regularly with warm water and a non abrasive, clear, non acidic detergent. A pH neutral cleaner is recommended. Austral Masonry does not recommend the use of acids on stone products as this can cause damage.

All spills should be wiped up immediately. Soft drinks, coffee, tea and fruit juices contain mild acids which can etch and stain the stone quite rapidly.

These should be cleaned off with mild soap and warm water.



WE ARE

Brickworks

Brickworks Building Products is one of Australia's largest and most diverse building material manufacturers. Under the Brickworks Building Products umbrella are some of Australia's best known building materials brands. Our products include bricks, pavers, masonry blocks, retaining wall systems, precast concrete panels, concrete and terracotta roof tiles, timber products, terracotta façades and specialised building systems.

With a broad product portfolio and manufacturing and sales facilities across Australia, Brickworks Building Products is uniquely placed to service the demands of the building industry.

With over 1,200 staff across Australia and New Zealand, we pride ourselves on our commitment to product, service excellence and our leadership position.

BRICKWORKS — BUILDING PRODUCTS —

 **australbricks**[®]

 **australmasonry**[®]

 **australprecast**[®]

 **auswesttimbers**[®]

 **bristiler roofing**[®]



BOWRAL BRICKS

nubrik[®]
authentic brickwork



terraçade[™]
TERRACOTTA FAÇADE SYSTEMS

INEX BOARDS[™]

Pronto Panel[™]



CREATE

the ultimate project

Come and visit us at your local Brickworks Design Studio and have one of our experienced consultants assist in designing your ultimate project. Our extensive and innovative range of building solutions will ensure your experience is a unique one and that you're getting the most out of our vast range of products.

With the assistance of our online colour visualisation tool, *iVisualise*, and our selection of current colour trend palettes, we will also help make the process of selecting your external colours a stress-free and enjoyable experience, whether you're inspired by cutting edge trends or classic heritage style.

For more information on our full selection of products and design ideas, visit our website.

australmasonry.com.au



australmasonry.com.au | 1300 627 667



DESIGN CENTRES

QLD

- Rochedale**
105 Gardner Rd
Rochedale
- Ormeau**
184 Burnside Rd
Ormeau
- Toowoomba**
29 Mort St
Toowoomba
- Townsville**
Lot 2 Blakey St
Garbutt
- Cairns**
8 Palmer St
Portsmith
- Rockhampton**
42-50 Johnson St
Rockhampton

NSW

- Horsley Park**
738-780 Wallgrove Rd
Horsley Park
- Prospect**
44 Clunies Ross St
Prospect
- Albion Park**
45 Princes Highway
Albion Park
- Bowral**
Brikscape Pty Ltd.
Lot 1 Oxleys Hill
Road, Bowral
- Newcastle**
2 Yangan Dr
Beresfield
- Punchbowl**
62 Belmore Rd North
Punchbowl
- Coffs Harbour**
27 Lawson Street
Coffs Harbour

VIC

- Lynbrook**
Cnr Northey Road
& Westport Highway
Lynbrook
- Deer Park**
972 Western Highway
(Near cnr of Robinson Rd)
Deer Park
- Geelong**
Surf Coast Highway
Grovedale
(cnr Essington St)
- Wollert**
Brickmakers Dr
Wollert

WA

- Armadale**
245 South
& Westport Highway
Armadale
- Bunbury**
5 Picton Rd,
Bunbury
- Bellevue**
15 Military Rd,
Bellevue
- Osborne Park**
94 Hector Street
West, Osborne
Park

ACT

- Canberra**
7 Lithgow St
Fyshwick
- TAS**
- Longford**
Cressy Rd,
Longford

SA

- Golden Grove**
201 Greenwith Rd
Golden Grove

DESIGN STUDIOS

Brisbane

27 James Street,
Fortitude Valley
QLD 4006

Sydney

Ground Floor,
50 Carrington
Street, Sydney
NSW 2000

Melbourne

490 Swan Street,
Richmond,
VIC 3121

Perth

67 King Street,
Perth
WA 6000

Adelaide

Ground Floor
70 Hindmarsh
Square, Adelaide
SA 5000

Hobart

9 Franklin Wharf,
Hobart
TAS 7000

Proud Supporters



The product images in our brochures give a general indication of colour for your preliminary selection. We also recommend you view current product samples before making your final selections.