

BORAL PAVERS AND RETAINING WALLS

Build something great™

The background image shows a modern outdoor terrace with large, light-colored stone pavers. A glass railing with metal posts runs along the edge of the terrace, overlooking a calm body of water under a soft, hazy sky. A building with large windows is visible on the left side of the frame.

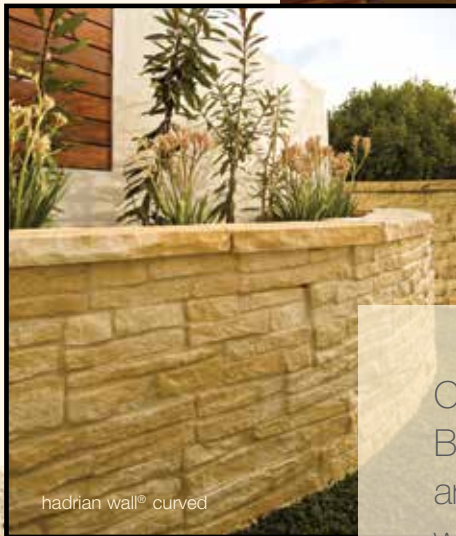
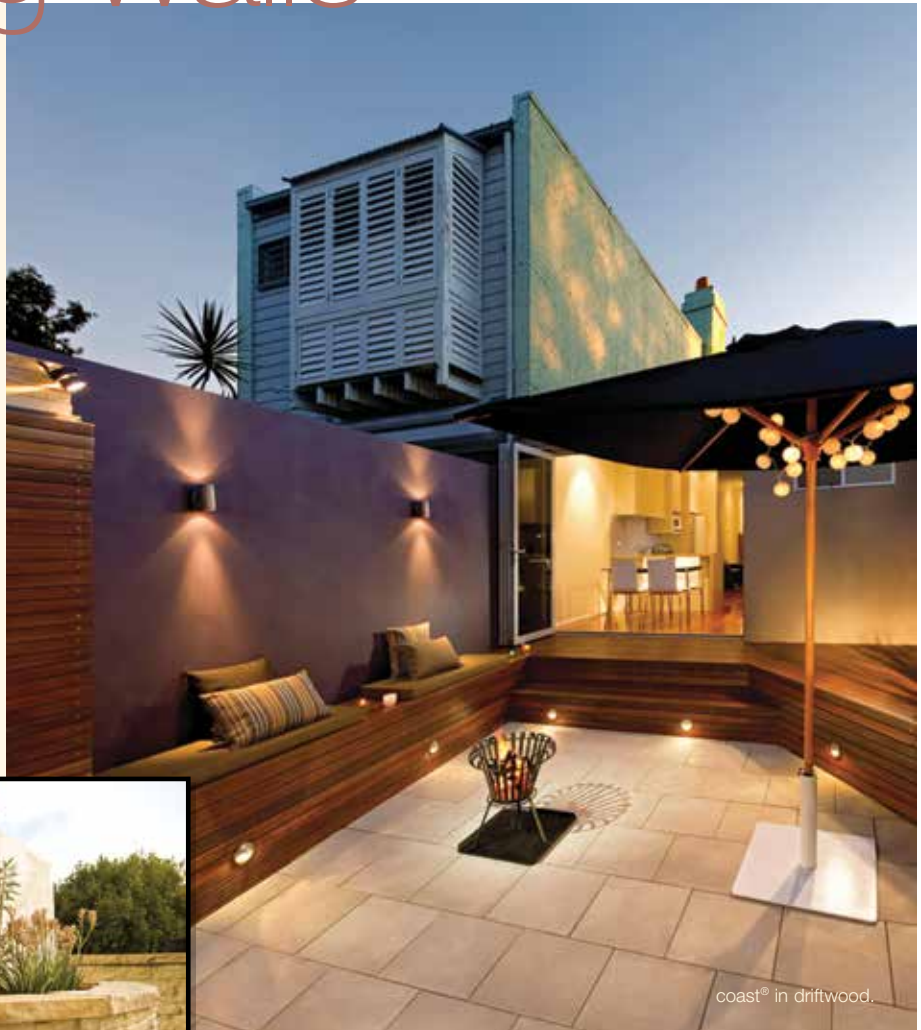
YOUR LANDSCAPING GUIDE

APRIL 2015

welcome to pavers & retaining walls

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Catering to a range of design schemes, Boral's paving collection will give your outdoor area the stylish, individual touch it's been waiting for. Whether you're after a complete revamp to create a more contemporary space or going back to basics with a more traditional feel, Boral's range will inspire and stimulate ideas to make your outdoor design dream a reality.



how to choose pavers

step 1

Look through this brochure, lifestyle magazines and on-line to gather ideas on the look you want to achieve. Try www.boralsampler.com.au, a great new tool for selecting Boral products and colours.



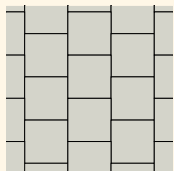
step 2

Using the table on the right hand page, choose a style and size of paver to suit your needs. Boral offers large format pavers which are equal to or greater than 300mm (length) x 300mm (width).

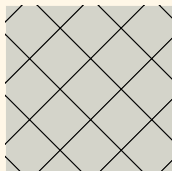
step 3

Select a colour that complements your area, home and surroundings. Remember to try the Boral Sampler to give you an idea of how colours look together. The way you lay the pavers also affects the overall aesthetic.

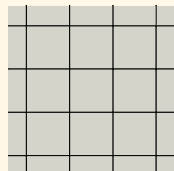
Pattern for square pavers include:



STRETCHER BOND

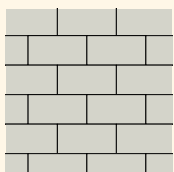


STACKED BOND 45°

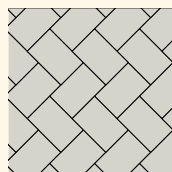


STACKED BOND 90°

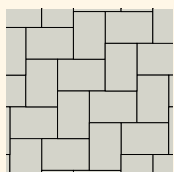
For rectangular pavers:



STRETCHER BOND



HERRINGBONE 45°



HERRINGBONE 90°

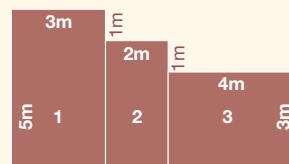
step 4

Measure your area to be paved to determine quantity of pavers required.

This area is simply calculated by length (m) x width (m) = area (m²) for basic square or rectangular spaces (m = metres).



For odd shapes, break your area into sections.



- 1) 5m x 3m = 15m²
- 2) 4m x 2m = 8m²
- 3) 3m x 4m = 12m²
- Total = 35m²

For triangular areas:



- $\frac{1}{2} \times \text{base (m)} \times \text{height (m)} = \text{area (m}^2\text{)}$
- e.g. $\frac{1}{2} \times 4\text{m} \times 3\text{m} = 6\text{m}^2$
- (Allow up to 5% extra pavers for wastage such as cuts and breakages.)

You can also measure your area using our on-line calculator. Go to www.boral.com.au/pavingcalc

step 5

Choose to DIY, or hire a professional contractor. Refer to Page 18 for a basic guide to laying pavers. A more comprehensive "Boral Guide to Laying Pavers" as well as videos are available at: www.boral.com.au/landscaping Stockists can also be found at this website.



This is general information and should be viewed as a guide only. Boral urges you to ensure that you obtain appropriate professional advice tailored to your circumstances before commencing paving projects.



general tips

- Always look at pavers outside in the natural light.
- Select pavers that match internal floor coverings to ensure the transition from indoor out is subtle and blends with your decorating style.
- When paving a small space keep the design simple and use a neutral coloured, large format paver to create a sense of space.
- Large format pavers, such as Aspenstone® and Stoneworks™ Travertine, speed up the laying process.
- Having trouble growing grass in heavy traffic areas? Consider a paved garden path. Paved paths also help direct traffic and can reduce the amount of dirt carried into your home.
- To make a path appear more substantial, use a stretcher bond laying pattern across the width of the path.
- If paving a slope, it is important to start at the bottom and pave up the slope.
- Paved areas should fall away from buildings and towards areas where run-off can be absorbed by plants.
- Keep labour cost down by clearing the area first by removing grass and existing pavers, and potting any plants you want to keep.
- Boral recommends that concrete pavers be sealed with a quality penetrating sealer following installation.

Page number	06	07	08	10	10	12	13	14	16
Product name	Aspenstone®	Stoneworks™ Travertine	Stoneworks™	Bradstone® Cobbles	Bradstone® Oldtown	Abode®	Coast®	Stylestone™	Terrazinni®
Typical applications									
Pedestrian (paths, patios, courtyards)									
Pools									
Bullnose (for steps and pool surrounds)									
Pre-sealed*									
Paver shape									
Paver size (LxW in mm)	600 x 400	500 x 500	400 x 400	450 x 300	600 x 300 450 x 300 300 x 300	450 x 450	400 x 400	400 x 400	400 x 400 600 x 400

*Pre-sealed pavers: During the manufacturing process a fine mist of penetrative sealer is sprayed onto the pavers. This assists in minimising the short-term absorption of stains only. For maximum ongoing protection, Boral recommends that all pavers should be sealed with a quality penetrating sealer following installation. Please check with a qualified tradesperson for advice on this process. Boral does not accept liability for stained or damaged pavers.

aspenstone®

RECOMMENDED FOR:

PEDESTRIAN



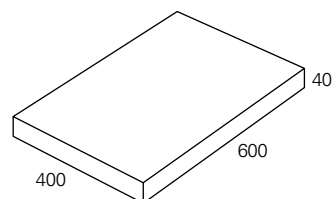
POOLS



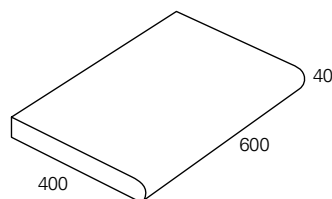
BULLNOSE



These pavers deliver a washed stone texture in three neutral colours and striking rectangular size.



STANDARD
4.17 units per m²



BULLNOSE
1.66 units per lineal metre



VANILLA



CAPPUCCINO



BUTTERMILK

stoneworks™ travertine

RECOMMENDED FOR:

PEDESTRIAN



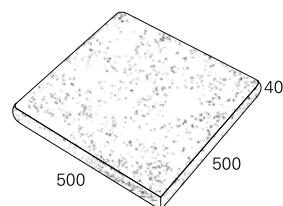
POOLS



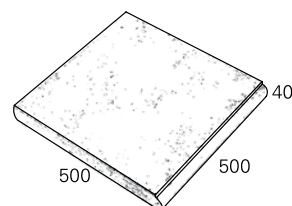
BULLNOSE



Emulate the naturally-aged appearance of stone in two modern tones.



STANDARD
4 units per m²



500 BULLNOSE
2 units per lineal metre

400 X 500 X 40MM BULLNOSE
Made to order



BLUESTONE



CHALK



SMOKE

stoneworks travertine™ in smoke

Shade variation can occur from batch to batch.

stoneworks™

Give any outdoor area style
and presence with the blended
colours of Stoneworks™

RECOMMENDED FOR:

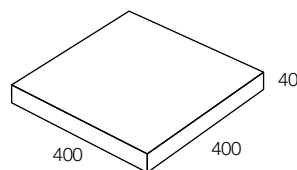
PEDESTRIAN



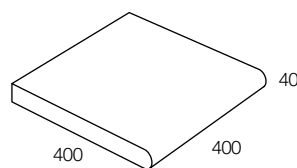
POOLS



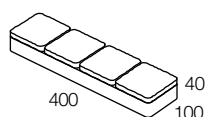
BULLNOSE



STONEWORKS STANDARD
6.25 units per m²



STONEWORKS BULLNOSE
2.5 units per lineal metre



COBBLES
2.5 units per lineal metre
Tuscany only
Made to order



TUSCANY
Cobbles only
NSW,[^] SA, QLD



SANDSTONE CUSTARD
NSW,[^] VIC, SA



SANDSTONE MACADAMIA
NSW,[^] QLD



SANDSTONE MOCHA
NSW,[^] QLD



SANDSTONE CREAM
NSW,[^] VIC, QLD



LIMESTONE
NSW,[^] VIC, SA, QLD

[^] In NSW, Stoneworks is sold
through Amber Tiles stores only.

Shade variation can occur
from batch to batch.

stoneworks™ in limestone

bradstone®

Revive the heritage of old world paving with a rustic style and aged appearance.

RECOMMENDED FOR:

PEDESTRIAN



POOLS



BULLNOSE



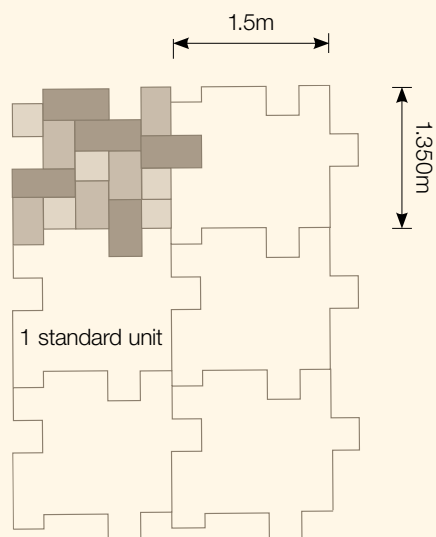
bradstone® old town random pattern

Bradstone® Old Town random pattern
is comprised of three sizes.

300 x 300 x 40mm,
450 x 300 x 40mm and
600 x 300 x 40mm.

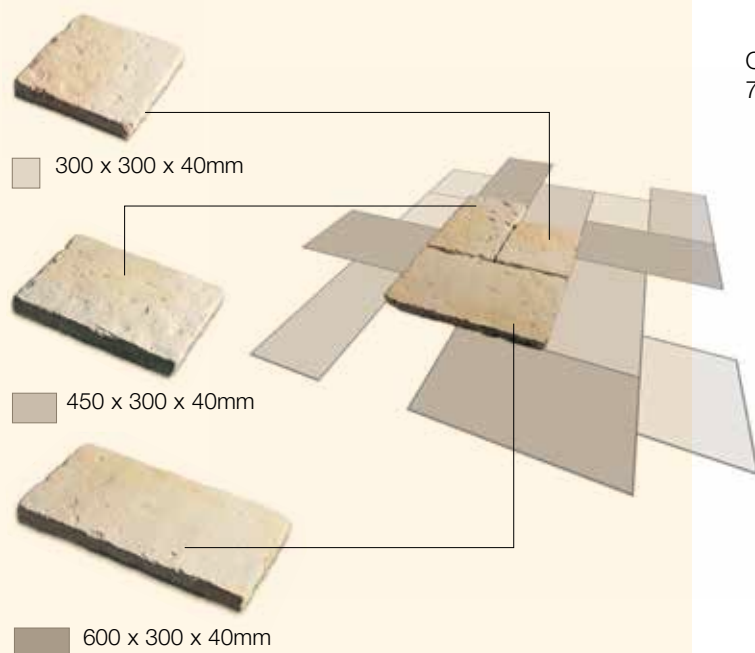
Sold in multiples of 6m² and 12m² packs,
depending on the state.

Also available, is a matching 450 x 300 x 40mm bullnose paver
to provide a stunning finish to swimming pool edges and steps.

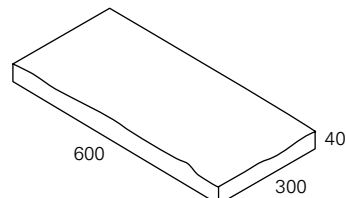


1 standard unit

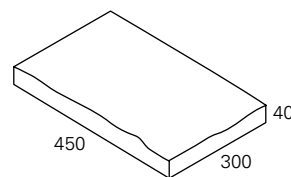
12m² = 6 standard units = 1 pallet



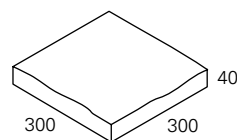
OLD TOWN RANDOM RANGE
Sold as a random set and individually.*



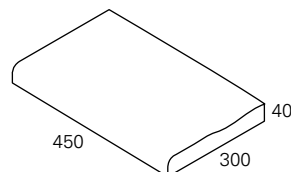
OLD TOWN – LARGE*



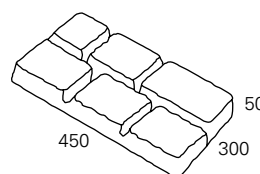
OLD TOWN – MEDIUM*



OLD TOWN – SMALL*



OLD TOWN – BULLNOSE
2.2 units per lineal metre



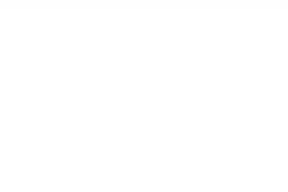
COBBLES
7.41 units per m²



GREY GREEN



GIRONDE



Shade variation can occur from batch to batch.

abode®

RECOMMENDED FOR:

PEDESTRIAN



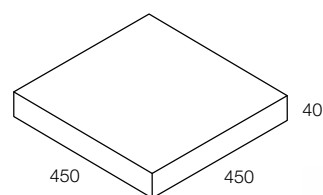
POOLS



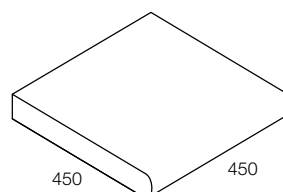
BULLNOSE



This contemporary range of pavers brings affordable style to alfresco settings.



STANDARD
4.94 units per m²



450 BULLNOSE
2.22 units per lineal metre

400 X 450 X 40MM BULLNOSE
Made to order



CHARCOAL



LATTE



BISCOTTI



LINEN

coast[®]

RECOMMENDED FOR:

PEDESTRIAN



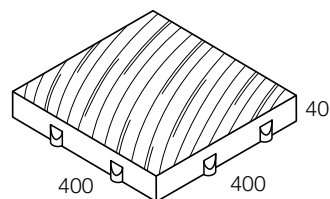
POOLS



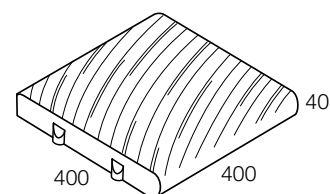
BULLNOSE



Blend the freshness of white sandy beaches and pale stone hues in your own backyard retreat.



STANDARD
6.25 units per m²



BULLNOSE
2.5 units per lineal metre



DRIFTWOOD



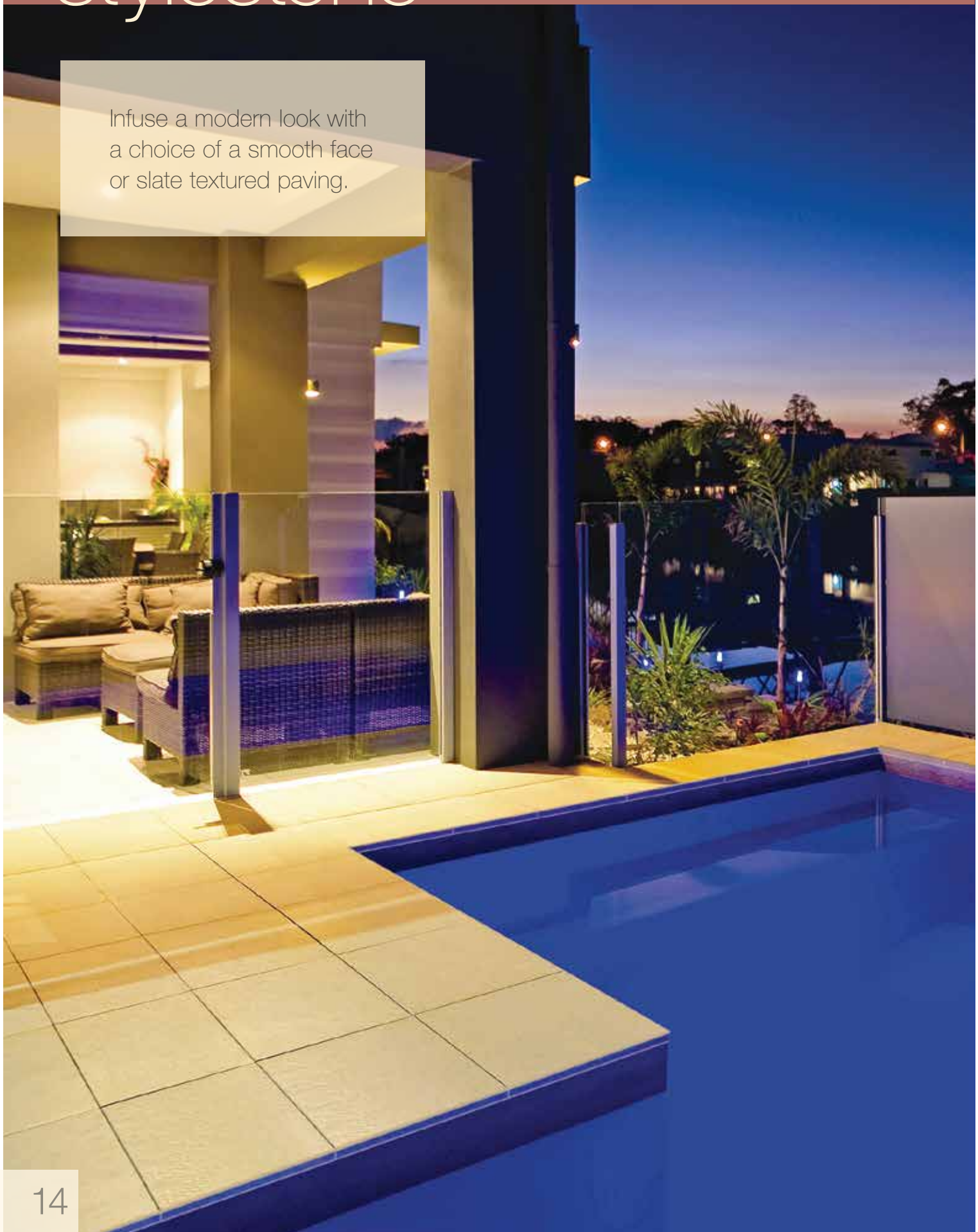
SHELL

coast[®] in driftwood

Shade variation can occur from batch to batch.

stylestone™

Infuse a modern look with a choice of a smooth face or slate textured paving.



RECOMMENDED FOR:

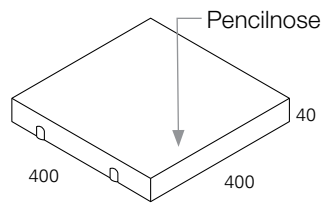
PEDESTRIAN



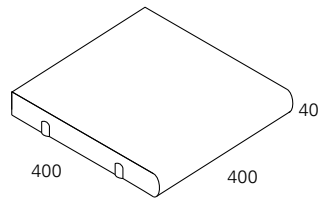
POOLS



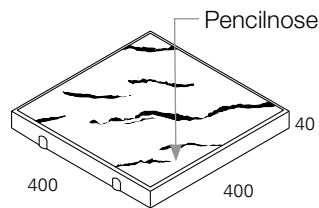
BULLNOSE



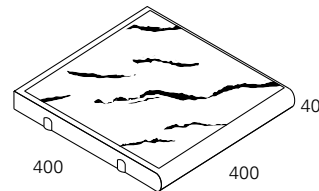
BEACH STANDARD (SQUARE EDGED)
6.25 units per m²



BEACH BULLNOSE
2.5 units per lineal metre



QUARRY STANDARD
(SQUARE EDGED)
6.25 units per m²



QUARRY BULLNOSE
2.5 units per lineal metre

Note: Standard units can be used as a square edged bullnose for steps and pool coping with Stylestone's pencilnose.

BEACH



SANDSTONE

QUARRY



SANDSTONE



SANDBANK



SANDBANK



DUNE



DUNE

terrazinni®

RECOMMENDED FOR:

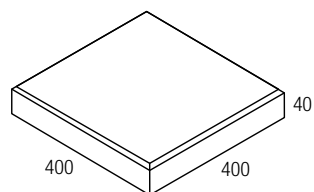
PEDESTRIAN



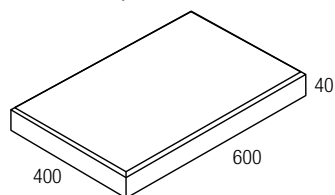
POOLS



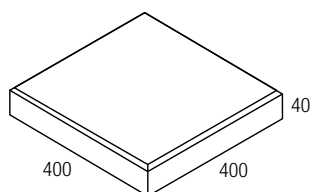
Inspired by European architecture, choose from a shot-blast or honed finish.



SHOTBLAST 400
6.25 units per m²



SHOTBLAST 600
4.17 units per m²



HONED
6.25 units per m²

SHOTBLAST



CHARCOAL

HONED



CHARCOAL



OFF WHITE
only in 600 X 400

Shade variation can occur from batch to batch.

hadrian wall™

RECOMMENDED FOR:

MAX. WALL HEIGHT 490MM

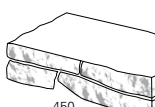
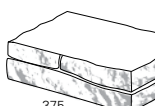
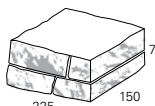
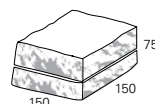
STRAIGHT WALLS

CURVED WALLS

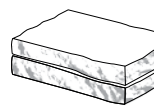
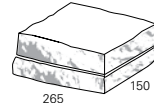
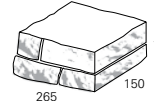
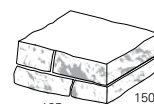
CORNERS

A classic look in true sandstone hues. Hadrian Wall™ can be used in straight and curved designs.

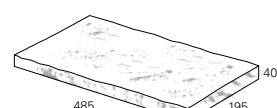
STRAIGHT WALL SET sold in multiples of 2.5m²



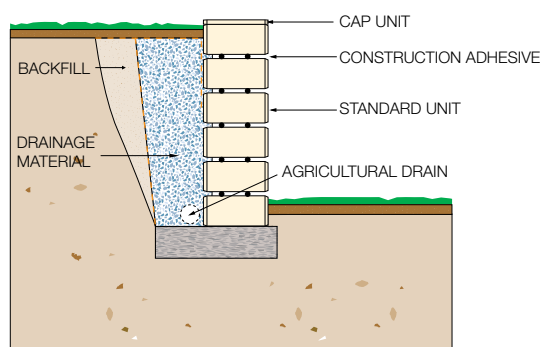
CURVED WALL SET sold in multiples of 2.5m²



HADRIAN CAP sold individually



GEO-FIX®
Get the look by using
Geo-Fix®, a ready to
use air curing joint filler
for retaining wall faces.



TYPICAL CROSS SECTION

Please note: Backfill should be no higher than the top of the retaining wall.

Not available in Victoria.

Shade variation can occur from batch to batch.

hadrian wall™ curved

quick guide to laying pavers

01 prepare the site

Excavate the area to be paved to allow for the base layer (generally 100 -150mm thick of road base), bedding sand (generally 30mm thick coarse washed river sand) and the paver thickness. Establish falls and levels using a spirit level on the screen board. Spread the road base to an even thickness and compact using a mechanical plate compactor.



02 add the bedding sand

Spread and screed the bedding sand. The easiest way to screed sand is to use two guides (screed rails) and a screeding board (e.g. a flat piece of timber). Establish bedding tracks with the screeding board.



03 level the surface

Bed the screed rails into the bedding sand. Drag the screeding board in a sawing motion from side to side across the rails to create a firm, flat laying surface.



04 set the lines

Set string lines at right angles to establish paving lines. These will help keep the joints straight for that truly professional look.



05 begin the laying

Start laying along the longest straight edge of the designated area and lay whole pavers first. Leave 3-5mm between pavers to allow for jointing sand (unless the pavers have nibs).



06 cut pavers

Cut and position part-pavers if the job requires them. Edge restraints prevent the pavers from moving – refer to the “Boral Guide to Laying Pavers” for more details.





07 fill the joints

Sweep jointing sand over the finished dry paving, ensuring that all joints are full. As an alternative, use Geo-Fix®, a ready-to-use joint mortar.



08 finishing touches

Compact the surface, add more jointing sand, sweep off excess and repeat.

sand filled joints:

a. Pavers 50mm thick or greater

Surface to be plate compacted. Always remember to use a rubber mat or carpet beneath the plate compactor to prevent damage to the pavers.

b. Pavers 40mm thick or less

Surface to be hand compacted with a rubber mallet.

Geo-Fix® mortar

Surface to be hand compacted with a rubber mallet prior to Geo-Fix® application.



Geo-Fix®

Geo-Fix® is an air-cured joint filler for pavers and retaining walls

This ready to use jointing material is suitable for applying a permanent, rigid joint over 5mm wide and a minimum 25mm deep on all types of paving including concrete, natural stone, slate, clay and granite.

It means no more trowelling, hiring a compactor, wasting water and hours of cleaning to complete the task – simply scatter, sweep and leave.

For a complete guide to Geo-Fix® visit www.boral.com.au/geofix

Not available in Victoria.



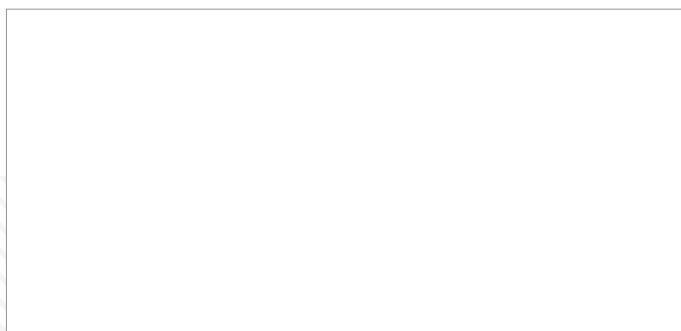
caring for pavers

prevention is better than cure

- Sweep regularly with a stiff bristled broom to keep pavers free from debris.
- For maximum protection we suggest pavers are sealed after installation with a penetrating sealer. (Please check with a reputable sealing company for advice.)
- Re-seal pavers as required taking special care in heavy wear areas and salt-water locations.
- During construction, cover the paved areas to protect against damage.
- Protect your pavers against possible staining from mortar, oxides, cement and rust.
- The use of acid and chemically-based cleaning agents should be undertaken by a professional. They can be hazardous if used incorrectly.
- In all cases, attempt to clean a stain before it hardens or dries up.

Visit www.boral.com.au/pavers

This information should be viewed as a guide only. The particular circumstances of paving projects vary significantly in ways that often dictate the use of particular materials and techniques to address challenges presented by those circumstances. Boral urges you to ensure that you obtain appropriate professional advice tailored to your circumstances before commencing paving projects.



Shade variations can occur from batch to batch. Colours shown are indicative only and should not be used for final selection. Not all colours are available in every region for each product. See your retailer for colours available in your region. Products ordered should be chosen from actual samples current at the time of order and are subject to availability. Photographs in this brochure are only representative of Boral products and the appearance and effect that may be achieved by their use. Some images are computer generated. Samples brochure and displays should be viewed as a guide only. Customers should ensure all delivered products are acceptable, and any concerns about products are made prior to laying. Boral recommends consultation with local council and engineers in the construction of retaining walls.

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Boral Masonry Limited ABN 13 000 223 718. Correct as of April 2015.