

LANDSCAPE TENDER DOCUMENT

Care Home - Kingsmead Care Home

This document should be read in conjunction with
5782 Landscape Plan - Hardworks and is intended to provide a general guide
to landscape products specified for the purposes of tender.

Prepared by



on behalf of

SPLENDID HEALTHCARE

First Issue Aug 2025

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I.0 HARD SURFACE MATERIALS

S1 - PAVING FLAGS

600 x 300 x 80mm Tobermore Braemar flags in Arran (light beige) colour.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk

S2 - BLOCK PAVING

200 x 173 x 50mm Tobermore Shannon block paving in Bracken colour.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Image of S1 Braemar flags in Arran for reference only



Image of S2 Shannon Block Paving in Bracken for reference only

S3 - RESIN BOUND GRAVEL - WINTER PEARL

6mm natural aggregate resin bound gravel in winter pearl colour.
Residential/ Permeable surface and sub-base should be laid to a minimum depth of 16mm.

Supplied by www.sureset.co.uk

Suppliers Details

Unit 32
Deverill Road Trading Estate
Warminster
BA12 7BZ

Tel: +44 (0)1985 841 180

www.sureset.co.uk



Image of Winter Pearl Resin Bound Gravel for reference only

S4 - RESIN BOUND GRAVEL - WINTER BRONZE

6mm natural aggregate resin bound gravel in Winter Bronze colour.
Residential/ Permeable surface and sub-base should be laid to a min depth of 16mm

Supplied by www.sureset.co.uk

Suppliers Details

Unit 32
Deverill Road Trading Estate
Warminster
BA12 7BZ

Tel: +44 (0)1985 841 180

www.sureset.co.uk



Image of Winter Bronze Resin Bound Gravel for reference only

S5 - LOOSE PEA GRAVEL - BUFF

Rain Garden area to be surfaced in 10/20mm Cotswold Cream gravel which should be pre-washed and laid on a free draining weed suppressing fabric liner to 80mm depth.

To be supplied by www.gravelmaster.co.uk or similar approved

Suppliers Details

Gravel Master
Meteor House
Finningley
DN9 3GA

Tel: 0330 058 5068

www.gravelmaster.co.uk/

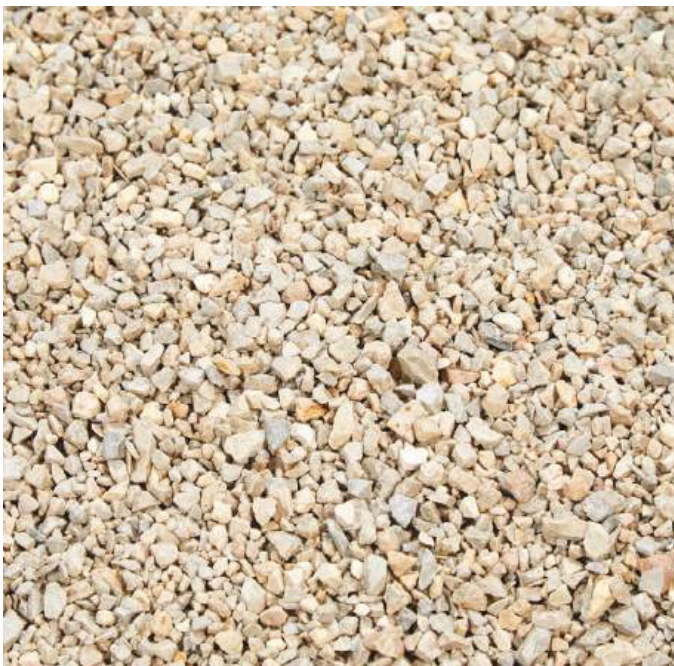


Image of Cotswold Buff pea gravel for reference only

S6 - PERMEABLE BLOCK PAVING 1

Permeable block paving to be 200 x 100 x 60mm Pedestra Hyropave from Tobermore laid in a herringbone pattern in Charcoal colour.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk

S7 - PERMEABLE BLOCK PAVING 2

Permeable block paving to be 200 x 100 x 60mm Pedestra Hyropave from Tobermore laid in a herringbone pattern in contrasting Brindle colour.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Image of S6 Charcoal block paving for reference only



Image of S7 Brindle block paving for reference only

S8 - FEATURE PAVING

173 x 173 x 50mm Tobermore Shannon block paving feature in Bracken colour.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Image of S8 Shannon Block Paving in Bracken for reference only

S9 - HAZARD WARNING FLAGS

400 x 400 x 50mm Tobermore Tactile Hazard Warning flags: corduroy flags top & bottom of steps, blister flags for crossing in Natural/ Buff colour (to provide a contrast to adjacent surface as required).

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Image of corduroy warning flag for reference only



Image of blister warning flag for reference only

EI- SETT EDGINGS

100 x 100 x 50mm Tobermore Sienna Setts in Graphite colour. To be used as a single line edging detail.

Supplied by www.tobermore.co.uk or equal approved manufacturer

Suppliers Details

Tobermore
2 Lisnamuck Road
Tobermore County
L'derry
BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Image of Sienna edging setts for reference only

E2 - FLEXIBLE METAL EDGE

200mm high Bison edge (height TBC by engineer to suit rain garden detail), rounded top, galvanized steel finish.

Supplied by www.kinley.co.uk or equal approved manufacturer.

Suppliers Details:

Kinley
Compass Park, Junction Rd
Bodiam
Northpoint
East Sussex
TN32 5BS

Tel: 01580 830688

sales@kinley.co.uk



Image of Bison Edge for reference only

2.0 FEATURES

FI - BALMORAL BACKREST SEAT

Balmoral Teak Bench - FSC Hardwood Timber

Freestanding teak bench with backrest & arm rest to sit on flagged paving.

To be 1800mm long Balmoral bench supplied by www.cyan-teak-furniture.com or equal approved.

Product Code: LT033

Width: 180 cm

Depth: 69 cm

Height: 94 cm

Material: Grade A Teak (*Tectona grandis*)

Size: 4 Seater

Weight: 48 kg

Assembly: Fully Assembled

Back Rest: High Back

Suppliers Details

Cyan Teak Garden Furniture Unit 8 Gateway Business Park

Station Approach Road

Coulsdon

Greater London

CR5 2NS

United Kingdom

Tel: 020 8655 6240

www.cyan-teak-furniture.com



Image of Balmoral bench for reference only

F2 - CURVED TIMBER BENCH

Letchworth bespoke curved backrest seat to be constructed from Woodscape FSC Hardwood timber with back and arm rests.

Supplied by Woodscape - Subject to detailed design by Woodscape to suit Radii

Suppliers Details

Woodscape
1 Sett End Road West
Blackburn
BB1 2QJ

Tel: 01254 685185

www.woodscape.co.uk



Images of Letchworth Curved Bench for reference only

F3 - TIMBER PERGOLA

Smooth planed Oak Timber Pergola comprising 120mm square posts with curved brackets and square cross members with minimum 2.3m clearance x 1.8m span to straddle the 1.5m paths.

Posts to be bolted down to a concrete footing to be advised by the project engineers.

Supplied by www.Oaktimberstructures.co.uk or equal approved manufacturer.

Suppliers Details

Unit 1C, Airfield Ind. Estate

Hixon

Stafford

Staffordshire

ST18 0PF

Tel: 01889 597 283

www.oaktimberstructures.co.uk



Image of Oak Pergola for reference only

F4 - TIMBER PERGOLA ARCH

Smooth planned Oak Timber Pergola Arch comprising 120mm square posts with curved brackets and square cross members and rails with min 2.3m clearance x 1.8m span to straddle the 1.5m paths.

Posts to be bolted down to a concrete footing to be advised by the project engineers.

Supplied by www.Oaktimberstructures.co.uk or equal approved manufacturer.

Suppliers Details

Unit 1C, Airfield Ind. Estate

Hixon

Stafford

Staffordshire

ST18 0PF

Tel: 01889 597 283

www.oaktimberstructures.co.uk



Image of Pergola Arch for reference only - to match style of F3 Pergola

F5 - RAISED TIMBER PLANTERS

Woodscape timber retaining wall used to create raised allotment planters with FSC Hardwood timber and timber coping. Planters to be free standing. Planters to be filled with a free draining topsoil and compost mix.

Supplied by Woodscape - Subject to detailed design by Woodscape.

Suppliers Details

Woodscape
1 Sett End Road West
Blackburn
BB1 2QJ

Tel: 01254 685185

www.woodscape.co.uk



Image of raised timber planter retaining wall for reference only

F6 - TIMBER GAZEBO

3m Hexagonal pressure treated timber gazebo with New England Cedar roof, to include a timber deck base, laid on a level & compacted MOT sub base.

Supplied by www.puregardenbuildings.co.uk or equal approved supplier

Suppliers Details

Pure Garden Buildings

Unit M

Forge Meadow

9 Canterbury Road

Hawkinge

Kent

CT18 7JA

Tel: 01303 766290

www.puregardenbuildings.co.uk



Image of the timber gazebo for reference only

F7 - WATER FEATURE

Lunari Rainbow Sandstone Sphere Water Feature

600mm sandstone sphere with water pump and LED light set on hidden water reservoir with smooth Scottish pebbles around the sphere. Allow for electricity connection.

Supplied by www.waterfeatures.com or equal approved supplier

Suppliers Details

Water Features

Unit 2 DIY2Go House

Palatine Street

Denton

Manchester

M34 3LY

Tel: 0161 375 1235

www.waterfeatures.com



Image of water feature for reference only

F8 - POTTING SHED

Overlord Modular Pent Potting Shed - 1.2m wide x 1.8m long.
15mm tongue and groove pressure treated timber with felt roof, set on level base.

Supplied by www.dunsterhouse.co.uk or equal approved supplier

Suppliers Details

Dunster House,
Factory 1
Caxton Road
Bedford
MK41 0LF

Tel: 01234 819265

www.dunsterhouse.co.uk



Image of Potting Shed for reference only

F9 - GREENHOUSE

Elite Thyme Greenhouse, 2.5w x 3.2d x 2.5h (8'4" x 10'6" x 8'3") set on brick wall to match main building.
Aluminium frame to be powder coated in Olive, set on nom 9-course brick (wall to engineers design in coordination with frame supplier) . Frame fixed to wall to suppliers approved detail.
Inc water butt and rain water kit, automatic roof vents and powder coated 7 slot shelf on one side.
Use 450 x 450 x 35mm texture flag pavers inside the green house.

Supplied by www.greenhousestores.co.uk or equal approved supplier

Suppliers Details

Greenhouse Stores
Circle Online Limited
Mere Green Chambers,
338 Lichfield Road,
Sutton Coldfield
B74 4BH

Tel: 0800 098 8877

sales@greenhousestores.co.uk



Image of Greenhouse for reference only

F10 COMPOST BIN

KCT 300L large outdoor wooden compost bins in Beehive shape 75 x 72 x 88cm.

Supplied by www.diy.com

[Suppliers Details](#)

www.diy.com



Image of compost bin for reference only

3.0 BOUNDARY TREATMENTS

BI METAL RAILINGS

1800mm high flat bar metal railings - Galvanized & PPC steel.
RAL colour TBC with Architect to match the architectural detailing.
Railing to be ground fixed 'rooted' in footings to engineers design.

Railings to have matching gates with automated/ key fob activated locks as required to provide secure environment & subject to detailed specification from the M&E consultants and to comply with fire regulation requirements.

Supplier to provide shop drawings of railings & gates.

Supplied by Alpha Rail or an equal approved manufacturer.

Suppliers Details

Alpha Rail
Nunn Brook Rise
County Estate
Huthwaite
Nottinghamshire
NG17 2PD

Tel: 01623 750 214

www.alpharail.co.uk



Image of flat top railings for reference only.

B3 - Timber Post & Rail Fence

1200mm high timber post and rail fence, pressure treated softwood post and 3 rail morticed fence.
Matching 1m wide lockable gates.

Supplied by Jackson Fencing or equal approved supplier

Suppliers Details

Stowting Common
Ashford
Kent
TN25 6BN

Tel: 01233 750393

sales@jacksons-fencing.co.uk



Image of Post & Rail fence for reference only

B4 - LOW BRICK WALL & PIER WITH RAILINGS

Brick wall to provide an element of retention at the front of the site and stepped access.

Retaining wall to have a parapet height of nom 8-brick courses plus brick on edge coping, with 2 & 1/2 brick width piers all in brickwork to match new building. Precast concrete pier caps required (style TBA)

Railings to sit on top of wall subject to detailed fixing design by structural engineer.

Railing to be same type as Ref B1 with railing height adjusted as required to accommodate parapet wall, to give a combined parapet and railing height of 1800mm minimum.

Railing to be supplied by Alpha Rail or an equal approved manufacturer.

Wall, piers & railing fixings to wall to be designed by project structural engineer.

Suppliers Details

Alpha Rail

Nunn Brook Rise

County Estate

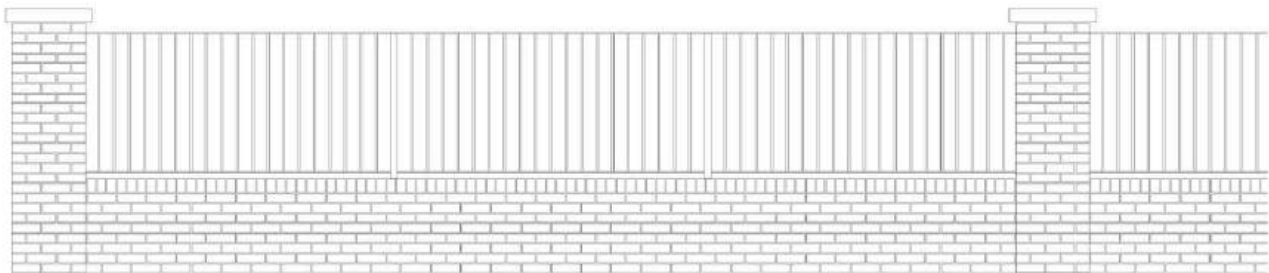
Huthwaite

Nottinghamshire

NG17 2PD

Tel: 01623 750 214

www.alpharail.co.uk



Indicative wall elevation for reference only.



Image of railings for reference only to show look & feel. Fitting detail/design by supplier/project structural engineer.

B7 SOLID STEP UNITS

Steps to be solid step units by Tobermore, in Silver granite aggregate with contrasting nosing detail.

Units to be 350 x 150 x 1000 mm for intermediate steps & 400 x 150 x 1000 for top step only.

Step going to be 350, riser to be 150mm

All to Part M standards

To be supplied by www.tobermore.co.uk or equal approved manufacturer.

Suppliers Details

Tobermore

2 Lisnamuck Road

Tobermore County

L'derry

BT45 5QF

Tel: 0844 800 5736

www.tobermore.co.uk



Construction of steps to be detailed designed by the project engineers.

HANDRAILS

All steps to be fitted with handrails to current part M access requirements. These should comprise a circular handrail set 1000mm above the step surface and protruding 300mm beyond the top and bottom steps. To be made from stainless steel and powder coated in a coloured RAL tbc.

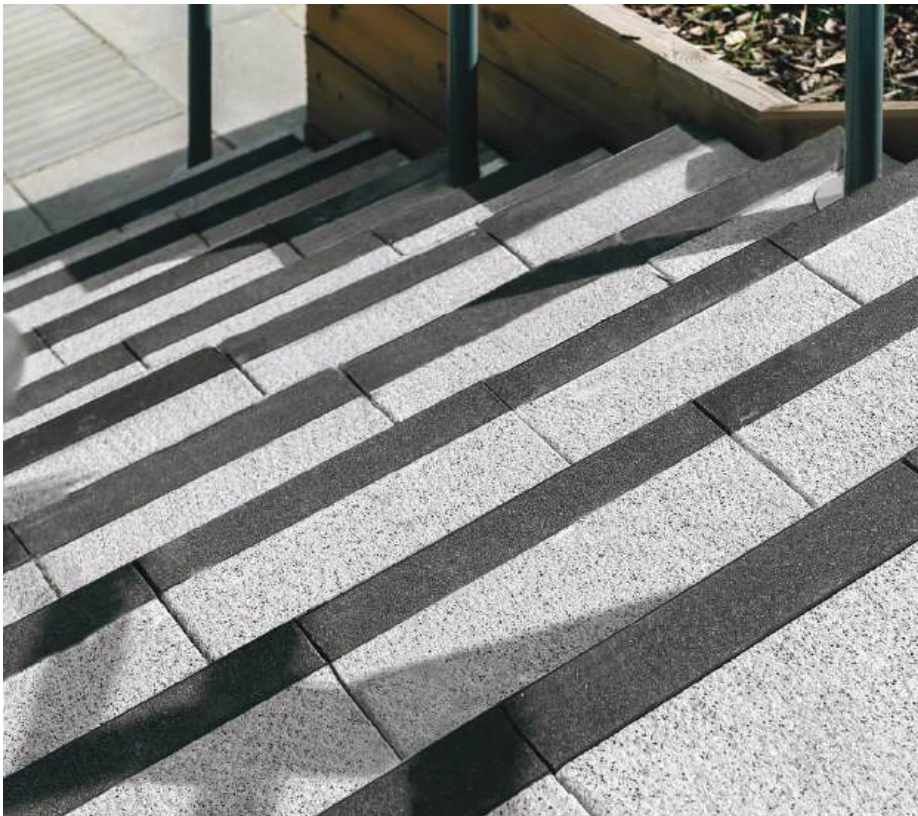


Image of Step units with contrasting nosing for reference only

4.0 TECHNICAL APPENDICES



SCAN HERE

Braemar

Premium concrete paving with the aesthetic appeal of natural granite.

Manufactured from carefully selected premium aggregates, Braemar is diamond ground to produce two distinct finishes in a block paving size range in a choice of granite colours.

- Cost-effective alternative to natural stone
- Premium block paving
- Manufactured with natural granite aggregates
- Superb hard-wearing granite surface
- Vibrant long-lasting colours
- Creates a striking, contemporary look
- Readily available with much shorter lead times than natural stone

PrimeTop® **Ef-Stop®**

GT
Ground
Textured

G
Ground



Pedestrian
Use



Light
Traffic



Commercial
Traffic



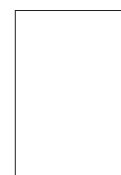
BIM
Level 2

Finish

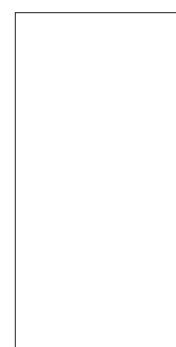
Refer to relevant guidance in BS 7533



200 x 100mm



300 x 200mm



600 x 300mm

Sizes



80mm

Depths



Braemar



Specification

 **PrimeTop®**  **Ef-Stop®**

Product type	Concrete Paving Block	
Manufactured to	BS EN 1338:2003	300x200x80mm 200X100X80mm
	BS EN 1339:2003	600X300X80mm
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >390kgs/m ³ cement	
Surface Finish	Ground/Ground Textured	
Granite Content in Surface Layer (Not less than %)	Arran Stone	83.3%
	Alto Silver	63.3%
	Innis Black	53.3%
	Jura Grey	51.3%
	Islay Rose	54.6%
Chamfer	Square Edged	
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence	
Slip/Skid Resistance	Mean polished skid resistance value (PSRV) >45	
	Mean unpolished skid resistance value (USRV) >45	
Installed to	(Externally)	BS 7533-3:2005 200X100X80mm 300X200X80mm
	(Internally)	BS 7533-4:2006 600X300X80mm
		Details available on request
Tensile Splitting Strength	BS EN 1338:2003	Typical tensile splitting strength of >3.6MPa,
	BS EN 1339:2003	Typical tensile splitting strength of >5MPa (Class 3)
NS	Plus Q24 110	200X100X80mm
	Create 45-20 64/400	300X200X80mm
	Plus Q24 110	600X300X80mm
	Create 45-20 64/395	
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm	
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test) Class 3	
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ² Class 3	
External Fire Performance	Deemed to satisfy when used for roofing	
Reaction to Fire	Class A1	
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com	
Energy used	100% renewable energy	
Water used	100% from our rainwater harvesting system and groundwater bore hole	
Recycled content	Not less than 10%	200X100X80mm 300X200X80mm
	Not less than 6%	600X300X80mm
 Carbon Footprint	EPD Verified (2020) 50.74kgCo ₂ e/m ² (+7%, -0.6% depending on specific product)	
Recyclable	100% of this product can be recycled	
Manufacturing & Delivery	From one location within the UK	
 Breeam rating www.bre.co.uk	B , according to the Green Guide to Specification, 4 th Edition 2009. A , can be achieved when used in conjunction with a prepared recycled sub-base.	

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Contact Us

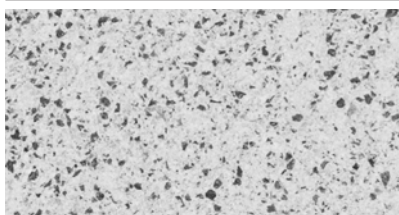
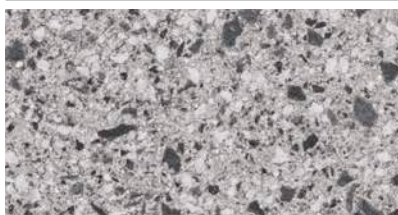
GB: 0844 800 5736
NI: 028 7964 2411
ROI: 048 7964 2411

Email

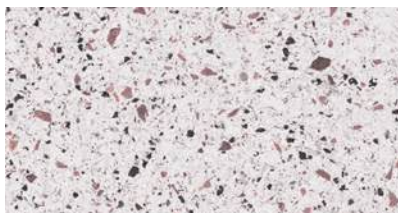
technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

Braemar


Alto Silver[†]

Jura Grey[†]

Innis Black[†]

Arran Stone[†]

Islay Rose[†]


Stock

product	size (mm)	edge	colours available	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Braemar Ground & Ground Textured 80mm BIM	200 x 100 x 80	Square edge	Arran Stone, Alto Silver, Jura Grey, Innis Black, Islay Rose	YES	9.6	1.6	50	480	1756	1746
	300 x 200 x 80	Square edge	Arran Stone, Alto Silver, Jura Grey, Innis Black, Islay Rose	YES	9.6	2.4	16.66	160	1756	1746
	600 x 300 x 80	Square edge	Arran Stone, Alto Silver, Jura Grey, Innis Black, Islay Rose	YES	7.2	3.6	5.55	40	1319	1309

BIM - This product is available to download from our website in BIM Level 2 format.

IMPORTANT INFORMATION

A regular maintenance programme should always be established and active for all public spaces to reduce the risk of slip/skid. Tobermore's stunning ground and ground textured finishes are created using a modern diamond grinding process which achieves a premium finish.

Ground textured provides a higher level of slip resistance. Tobermore recommend that you separate product groups using contrasting bands of colour as each product is manufactured separately and may have slight variations in colour.

Inevitably on light coloured units any contamination caused by vehicle tyres, leaves, beverages / food etc will be more visible compared to darker coloured units. Therefore careful consideration should be applied when specifying colours in specific applications. If light coloured units are specified it must be accepted that these will require more maintenance if the overall appearance is to be maintained.

† Product Information - Manufactured with natural granite aggregates

Contact Us

GB: 0844 800 5736
NI: 028 7964 2411
ROI: 048 7964 2411

Email

technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

Shannon



SCAN HERE

Versatile smooth paving.

Shannon's tight joints and chamfered edges make this product a popular choice for pedestrianised areas in addition to trafficked locations. Its smooth surface and range of vibrant long lasting colours allow for design flexibility.

- Vibrant long-lasting colours
- Superb hard-wearing smooth surface
- Pencil edge significantly reduces maintenance
- Smooth surface is ideal for use with trolleys, cases etc.

 **PrimeTop®**  **Ef-Stop®**

S Smooth	 Permeable	 Pedestrian Use	 Light Traffic	 Commercial Traffic	 Machine Lay	 BIM Level 2
Finish	Also available as	Refer to relevant guidance in BS 7533				



208 x 173mm

Sizes



173 x 173mm



208 x 173mm

Duo Sizes

Both sizes in one pack



50mm

Depths



Shannon



Specification

 **PrimeTop**  **Ef-Stop**

Product type	Concrete Paving Block
Manufactured to	BS EN 1338:2003
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >350kg/m ³ cement
Surface Finish	Smooth
Chamfer	Pencil Edge
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa
Slip/Skid Resistance	Mean polished skid resistance value (PSRV) >45 Mean unpolished skid resistance value (USRV) >45
Installed to	BS 7533-3:2005
NS	Plus Q24 110 Create 45-20-64/400
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test) Class 3
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ² Class 3
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to Fire	Class A1
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
Recycled content	Not less than 12%
 Carbon Footprint	EPD Verified (2020) 50mm 11.86kgCO₂e/m²
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
 rating www.bre.co.uk	A , according to the Green Guide to Specification, 4 th Edition 2009. A+ can be achieved when used in conjunction with a prepared recycled sub-base.

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Contact Us

GB: 0844 800 5736
NI: 028 7964 2411
ROI: 048 7964 2411

Email

technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

v1.0

Shannon



Stock

product	size (mm)	colours available	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Shannon 50mm	208 x 173 x 50	Bracken, Charcoal, Heather, Natural, Slate	YES	14.04	2.34	27.79	390	1638	1628
Shannon Duo 50mm (both sizes in one pack) ML	208 x 173 x 50 173 x 173 x 50	Bracken, Charcoal, Heather, Slate	YES	13.86	0.99	30.3	210 210	1616	1606

ML - This product can be hand or machine laid.

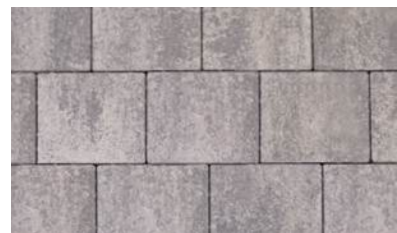
Heather



Bracken



Slate



Natural



Charcoal



Contact Us

GB: 0844 800 5736
NI: 028 7964 2411
ROI: 048 7964 2411

Email

technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

v1.0

Hydropave Pedesta



SCAN HERE

Versatile permeable paving.

Hydropave Pedesta has a smooth surface and a timeless appeal. Available in four colours, this paving provides you with plenty of scope to create patterns and designs.

- Functions as a SuDS paving system
- Superb hard-wearing smooth surface
- Vibrant long-lasting colours



200 x 100mm

Sizes



60mm
80mm

Depths

PrimeTop® **Ef-Stop®**



Finish



Pedestrian
Use



Light
Traffic



Commercial
Traffic



BIM
Level 2

Refer to relevant guidance in BS 7533



Hydropave Pedesta



Specification

 **PrimeTop®**  **Ef-Stop®**

Product type	Concrete Paving Block
Manufactured to	BS EN 1338:2003
Surface Layer	Hard-wearing surface layer with a minimum layer of 4mm and >350kgs/m ³ cement
Surface Finish	Smooth
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Drainage Void Width	5.5% to accommodate correct grit grading, reduce maintenance and maximise drainage flow rate
Tensile Splitting Strength	Typical tensile splitting strength of >3.6MPa
Slip/Skid Resistance	Mean polished skid resistance value (PSRV) >45 Mean unpolished skid resistance value (USRV) >45
Installed to	BS 7533-3:2005
ONS	Plus Q24 115 Create 45-20-64/400 Plus Q24 117 Create 45-20-64/400 Plus Q24 119 Create 45-20-64/400
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test) Class 3
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ² Class 3
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
Recycled content	Not less than 12%
 Carbon Footprint	EPD Verified (2020) 60mm 14.17kgCo ₂ e/m ² 80mm 20.98kgCo ₂ e/m ²
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
 Breeam rating www.bre.co.uk	60mm:A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved by using a recycled sub-base. 80mm:B , according to the Green Guide to Specification, 4 th Edition 2009. A , can be achieved by using a recycled sub-base.

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Contact Us

GB: 0844 800 5736
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ROI: 048 7964 2411

Email

technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

v1.0

Hydropave Pedesta



Stock

product	size (mm)	colours available	edge	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Hydropave Pedesta BIM	200 x 100 x 60	Bracken, Brindle, Charcoal, Natural	Chamfer	YES	13.44	2.24	50	672	1808	1798
	200 x 100 x 80	Bracken, Brindle, Charcoal, Natural	Pencil chamfer	YES	9.6	1.6	50	480	1732	1722

BIM - This product is available to download from our website in BIM Level 2 format.

Bracken



Brindle



Charcoal



Natural



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Tactile Slabs



SCAN HERE

Aids the visually impaired & blind.

Tactile Slabs are designed to assist pedestrians who are visually impaired or blind.

- Available in Blister, Hazard & Cycleway Warning finishes
- Superb hard-wearing surface
- Vibrant long-lasting colours

 **Ef-Stop®**

B	HW	C
Blister	Hazard Warning	Cycleway

Finish



Pedestrian Use



Light Traffic

Refer to relevant guidance in BS 7533



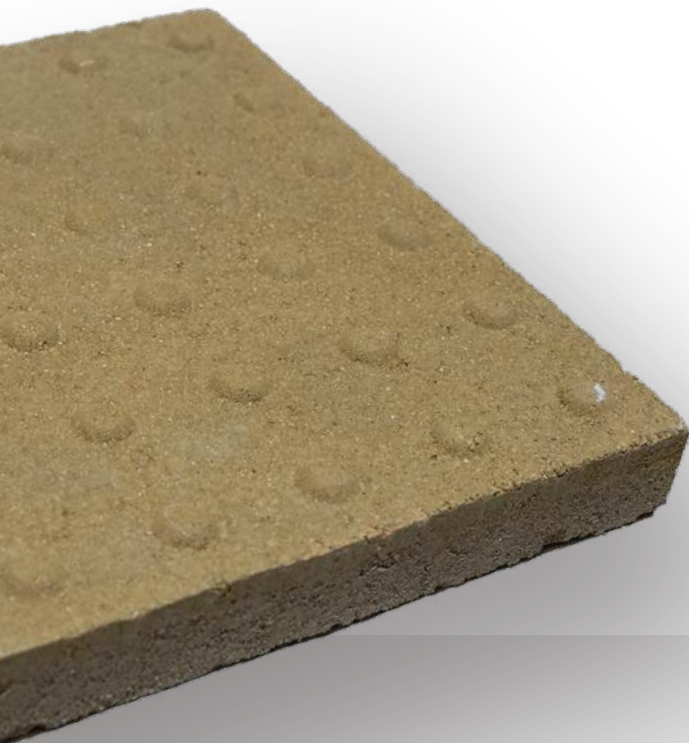
400 x 400mm

Sizes



50mm

Depths



Tactile Slabs



Specification



Product type	Concrete Paving Slab
Manufactured to	BS EN 1339:2003
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >390kgs/m ³ cement
Chamfer	Square Edged
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Bending Strength	Characteristic tensile splitting strength of >5MPa (Class 3)
Slip/Skid Resistance	Mean polished skid resistance value (PSRV) >45 Mean unpolished skid resistance value (USRV) >45
Installed to	BS 7533-4:2006
NS	Plus Q25 320 Create 45-20-64/425
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test) Class 3
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ² Class 3
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design for your application. Available from www.bsigroup.co
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
Recycled content	Not less than 5%
 Carbon Footprint	EPD Verified (2020) 13.93kgCo2e/m ²
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
 rating www.bre.co.uk	A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved by using a recycled sub-base.

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Stock

product	size (mm)	finish	edge	colours available	in stock	no. per m ²	no. per pack	no. per pallet	weight kg per pack GB	weight kg per pack NI/ROI
Tactile Slabs	400 x 400 x 50	Blister	Square	Buff, Red and Natural	YES	6.25	78	78	1521	1521
	400 x 400 x 50	Hazard Warning	Square	Buff, Natural	YES	6.25	78	78	1620	1620
	400 x 400 x 50	Cycleway	Square	Buff, Natural	YES	6.25	78	78	1546	1546

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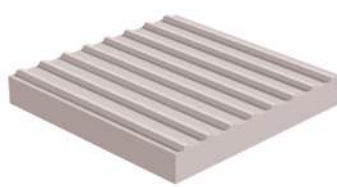
Tactile Slabs



Blister

Blister slabs enable the partially sighted and blind to distinguish between different types of crossing zones.

Red relates to controlled crossing zones, while Buff is available to distinguish uncontrolled crossing zones.



Hazard Warning

This pattern of half-rod shaped bars provides warning of a hazard which requires caution e.g. at the top and bottom of a flight of stairs.

It is recommended that the surface be in contrasting colour to the surrounding area so as to assist partially sighted people.



Cycleway

For installation on a track/footway where there is no physical barrier or level difference between the pedestrian and cyclist

Natural



Red



Buff



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Sienna Setts

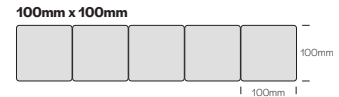


SCAN HERE

Attractive borders and features.

Sienna Setts are crafted with natural granite aggregates for a vibrant granite appearance.

- Manufactured with natural granite aggregates
- Superb hard-wearing granite surface
- Vibrant long-lasting colours
- Creates a striking, contemporary look



50mm

Depths

PrimeTop® **Ef-Stop®**

TGA

Textured
Granite Aggregate

Finish



Pedestrian
Use



Light
Traffic

Refer to relevant guidance in BS 7533



Sienna Setts



Specification

 **PrimeTop®**  **Ef-Stop®**

Product type	Concrete Paving Block		
Manufactured to	BS EN 1338:2003		
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >350kgs/m ³ cement		
Surface Finish	Textured Granite Aggregate		
Granite Content	Not less than 53% of granite aggregate in surface layer for Silver and Graphite; Not less than 45% of granite aggregate in surface layer for Oat		
Chamfer	Square Edged		
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence		
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa		
Slip/Skid Resistance	Mean polished skid resistance value (PSRV) >45 Mean unpolished skid resistance value (USRV) >45		
Installed to	BS 7533-3:2005		
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm		
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test) Class 3		
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ² Class 3		
External Fire Performance	Deemed to satisfy when used for roofing		
Reaction to Fire	Class A1		
BS	Plus Q24 110 Create 45-20-64/410		
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com		
Energy used	100% renewable energy		
Water used	100% from our rainwater harvesting system and groundwater bore hole		
Recycled content	Not less than 6%		
 Carbon Footprint	EPD Verified (2020)	Silver	20kgCo ² e/m ²
	50mm	Oat	22kgCo ² e/m ²
		Graphite	22kgCo ² e/m ²
Recyclable	100% of this product can be recycled		
Manufacturing & Delivery	From one location within the UK		
 Breeam rating www.bre.co.uk	A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved when used in conjunction with a prepared recycled sub-base.		

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

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Sienna Setts



Stock

product	size (mm)	colours available	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Sienna Setts	100 x 100 x 50	Graphite, Oat, Silver	YES	11.52	0.96	100	1152	1336	1336

Silver



Oat



Graphite



IMPORTANT INFORMATION

Tobermore recommend that you separate product groups using contrasting bands of colour as each product is manufactured separately and may have slight variations in colour.

Inevitably on light coloured units any contamination caused by vehicle tyres, leaves, beverages / food etc will be more visible compared to darker coloured units. Therefore careful consideration should be applied when specifying colours in

specific applications. If light coloured units are specified it must be accepted that these will require more maintenance if the overall appearance is to be maintained.

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Kinley

Product & Installation Guide

BISON
KERB

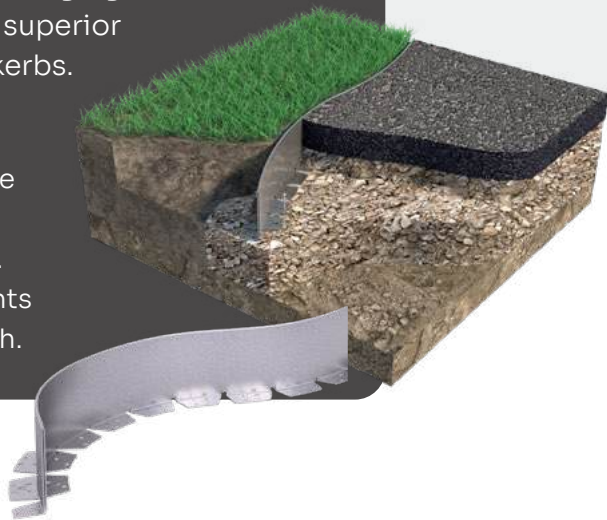
Heavy-duty steel kerb for
edging hard landscapes.



BISON KERB

Heavy-duty steel kerb for edging hard landscapes. Bison is the superior alternative to concrete kerbs.

A steel pin kerb edge restraint used to delineate hard surfaces by creating curves and strong angles. Available in various heights in a galvanised steel finish.



Benefits:

- More robust than concrete and won't crack
- Much quicker than concrete to install
- Lightweight – approximately three times lighter than concrete!
- Requires less labour to install giving higher quality edging at no extra cost
- Easy to fit – even if working alone
- Rounded top edge detail for smooth finish with no sharp edges
- Durable and corrosion resistant

Suitable for:

- Bison Kerb is suitable for replacing concrete in civil construction developments including service roads*, pavements and other building developments.

*Bison Kerb is not suited for motorways.

Item code	Edging height	Edging thickness (top fold)	Edging length	Edging foot width	Product properties	Material	Recycling
181010	150 mm	7 mm	2400 mm	50 mm	Flexible	Galvanised	100% recyclable
181013	100 mm	7 mm	2400 mm	50 mm	Flexible	Galvanised	100% recyclable
181012	75 mm	7 mm	2400 mm	50 mm	Flexible	Galvanised	100% recyclable

Item code	Product properties	Pack Qty	182012
182010	150 mm Connector Plate	15	100% recyclable
181012	100 mm Connector Plate	15	100% recyclable
182011	75 mm Connector Plate	15	100% recyclable
102032	Spiral Fixing (10 per 2.4 m Length)		100% recyclable

Tools Required

- ✓ Hammer
- ✓ Hacksaw / angle grinder
- ✓ Level
- ✓ Tape measure
- ✓ Spray paint
- ✓ String line
- ✓ Shovel / spade

Fixings (need to be purchased separately to edging)

- ✓ 250 mm Spiral Fixing Stake
- ✓ Strip Connector



Standard method to compacted MOT Type 1 sub-base or similar material

1

Marking out

Mark out where the edging is required using a string-line or spray-paint. Excavate the area or trench where edging is required.

Depth needs to be a minimum of 300mm from desired finish top of edging level. Bison edging requires the subbase to extend at least 150mm either side of the edging to ensure a secure fixing.



2

Sub-base & set out

Lay MOT Type 1 substrate and compact well. Thorough compaction of the sub-base is essential to ensure a successful installation. The MOT Type 1 sub-base needs to be a minimum of 150mm depth when fully compacted



3

Laying the edging

We recommend laying a thin dry-mix bedding layer (e.g. sharp sand and cement 4:1 mix) beneath the edging foot to approximately 10mm. This is designed to take out any undulations in the sub-base ensuring a continuous support under the foot of the edging.

NOTE: The edging should not require a wet concrete haunch unless in non standard applications.



4

Place the edge restraint and set to correct position.

Level the edging using a spirit level by moving the edging around in the bedding layer and once this is done, fix the Spiral Fixing Stakes through edging foot in the pre-punched 500holes, at a maximum of 300mm centres. Ensure the nails are firmly secured in the ground and down to the foot of the edging.



5

Alternative fixing method

Use Coach Bolts or Anchor Screws if fixing into a cured concrete foundation. Contact the technical team for more information.

6

Connecting the edging

Use the Strip Connector to link lengths of Bison together. Slide halfway into channel on inside of the edge restraint, and connect with other length.



7

Creating corners

Corners can be created with the Bison steel edging by simply using an angle grinder to cut out a triangular section in the foot so no overlap will form when bent to required angle (if using Bison in a rigid profile don't forget to cut away the rigid bar running along the back of the foot plate.) Finally, cut part way through the vertical edge on the inside of the corner, fold over a sturdy piece of timber, and finish angle with a rubber mallet.



8

Creating curves

Lay the edging down and fix at one end with the spiral spikes provided. Start to form the edging to the desired curve and continue to fix down. Additional fixings may be needed when creating a tight curve.

9

Laying surfaces

When more than one layer is required, the base course should be properly applied and compacted before proceeding to the final wearing course. Pay attention not to damage the edge restraint with the compaction equipment.

Ensure top of edge restraint sits just below level of top surfaces, especially if top surface is to be compacted (i.e. Tarmacadam).



Handling and hazards



SHARP CORNERS AND EDGES!

Wear gloves



BE SAFE!

Wear high visibility clothing, hard hats, and any other PPE required on site.

DISCLAIMER

These instructions are for guidance only and the installer is responsible to use their discretion to install the products in the best possible way for their respective application. Kinley Systems will not be held liable for product failure or poor performance as a result of poor quality installation. If any errors are found in this guide please email us at sales@kinley.co.uk.

SUPPORTING DOCUMENTS

More information on the Borderline products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Data Sheet and the Edging Book.

10

Backfill behind edging

Backfill behind edging or lay additional hard surface as required.

Hot lay surfacing

Only in relation to hot rolled surface applications.

Compact surfacing with roller. Ensure first pass with roller is 50mm clear of Bison, with vibrating function turned off.

Final pass should be made as close to the edge as possible.

On the final wearing course, and where applicable, roller should be run over edge of Bison to ensure full compaction and a neat finish.

Expansion gaps between the edging may need to be considered on long straight runs. Contact our technical team to discuss.



Applications

To edge or demarcate asphalt, rubber coating and other hard landscape surfaces. Suitable for parks, playgrounds and around building perimeters. Bison Kerb edging has a high resistance to corrosive conditions in normal environments. It also has a high resistance to heat making it suitable for use with hot asphalt or tarmacadam.

Installation information¹

By mounting on compacted substrate (e.g. MOT Type 1) using 250mm steel Spiral Fixing Stakes. A bedding layer of dry mix 3:1 sharp sand / cement is recommended to ensure continual support of the edge restraint. When mounting on existing asphalt or concrete, use masonry nails or screw and plug fixings.

Storage & Handling

The product is securely packed onto a wooden splint and sealed in clear plastic sleeving to ensure no movement of the product in transit. Depending on the size / weight of the consignment this may be palletised.

Heavy-duty steel kerb for edging hard landscapes. Bison is the superior alternative to concrete kerbs.

Whilst there is no specific weight restrictions on what is or is not safe to lift in manual handling, an assessment of the health and safety risks should be undertaken and measures taken to reduce the risk of injury so far as reasonably practicable.

The following guidelines may be useful:

- a) Each person should be fully trained in manual handling techniques.
- b) The use of handling aids such as a trolley, folk-lift, pallet truck or conveyor should be used if moving large volumes of cartons.
- c) Break up large consignments into more manageable loads.
- d) Ensure that the product is stored at a reasonable height, so avoiding the lifting of cartons from floor level or above shoulder height.
- e) Reduce carrying distances of cartons.

Protective Equipment

We recommend that PPE (Personal Protective Equipment) is used when installing Contour:

- a) Safety boots/shoes to protect the feet.
- b) Protective eyewear such as safety glasses/goggles.
- c) Gloves suited to handling metal.
- d) If using loud cutting equipment then ear plugs or defenders should be worn.

First Aid

The Health and Safety Regulations 1981 require all construction sites to have the following:

- a) A first aid box with enough equipment to cope with the number of workers on site.
- b) An Appointed Person to take charge of first-aid arrangements. The Appointed Person looks after first aid equipment and facilities and calls the emergency services when required. Appointed Persons do not need first aid training.
- c) A First-Aider who has undertaken training and holds an HSE approved qualification to administer first-aid. This means that they must hold a valid certificate of competence in either:
 - First aid at work (FAW) issued by a training organisation approved by HSE
 - Emergency first aid at work (EFAW) issued by a training organisation approved by HSE
 - A recognised Awarding body of Ofqual/Scottish Qualifications Authority.
- d) The number of first-aiders will depend on the site.
- e) Information should be clearly displayed on site telling workers the name of the Appointed Person(s) or First Aider(s) and where to find them.

Fire Protection

Bison Kerb edging is made Galvanised Steel, which does not burn or pose a fire hazard.

Stability

Galvanised Steels are high performance materials that display excellent resistance to atmospheric corrosion when compared to other steels, making them exceptionally suitable for landscape edge restraint applications.

Galvanised Steel is manufactured by coating hot-rolled mild carbon steel with a thin layer of zinc. This zinc layer provides a far greater level of protection against the elements than the steel alone and inhibits rust formation.

Environmental Issues

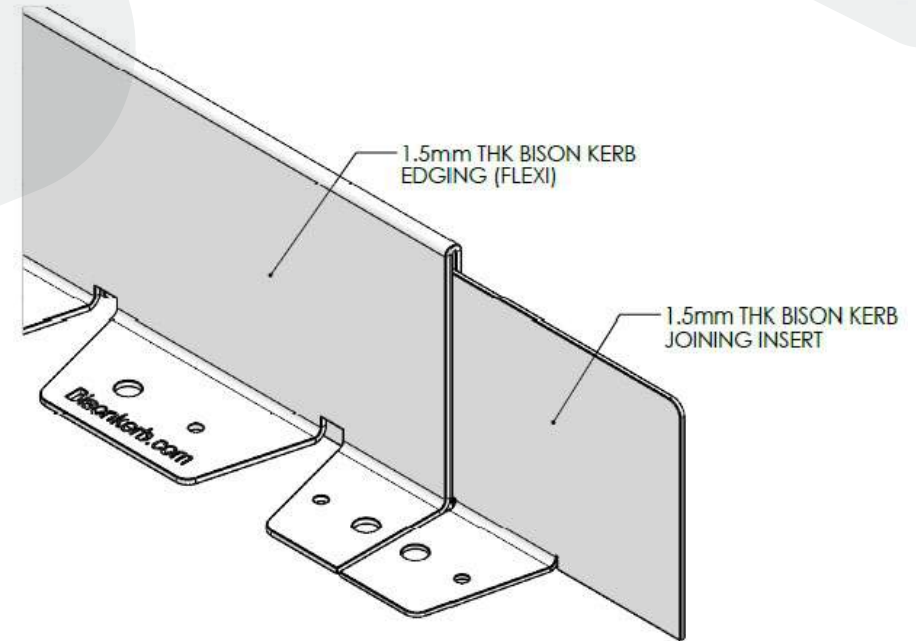
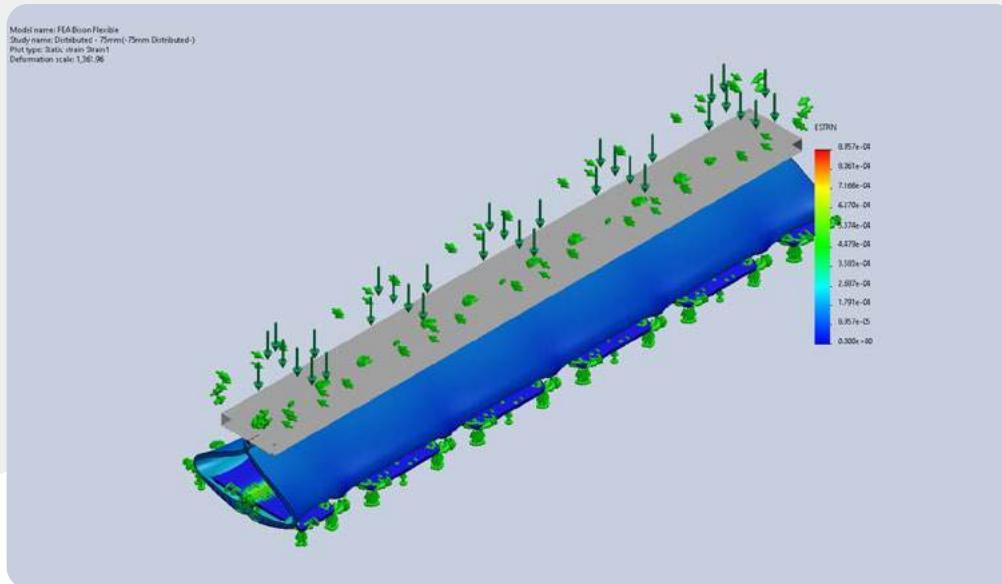
Bison Kerb is manufactured from Galvanised Steel and is 100% recyclable. As a result the whole life cost of Bison Kerb steel edging is excellent as it is sold for recycling not paid disposal. The principal element used in the production of steel is iron, which is second only to aluminium in terms of natural abundance in the Earth's crust. At current extraction rates there is enough iron to last another 1000+ years.

Supporting Documents

More information on the Kinley edging products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Installation Guide and Edging Book.

Loading Analysis²

Loading analysis was undertaken on the Bison 75mm edging using Finite Element Analysis. The first analysis was applying a distributed load of 500mm directly down on to the top of the edging and the second analysis was applying a point load. On the distributed load test, failure occurred once loading reached 62500N. On the point load test, failure occurred once loading reached 6000N. More information on the Finite Element Analysis testing is available on request.



Letchworth Backrest Seat : Curved



W : 790mm profile
L : 1900mm on plan
H : 930mm

BI
SF CS

Seat height 490mm.
Seat depth 435mm.

Sectional design manufactured to custom length & radii.

Retaining Wall system

Our Retaining Wall System is made from Naturally Very Durable Hardwood, making it highly robust, with an extremely long life expectancy - components weather gracefully, with no routine treatment or maintenance required.

The system consists of 140mm x 65mm sections in straight (with terminating end component), 500mm radius, 1000mm radius, and 90° corner components of 65mm x 65mm.

Specialised angled and sized components are available upon request.

The components are joined together via a push-fit loose tongue & groove system.

Light units can be incorporated into most components.

Straight and curved copings are available at any radius. Standard dimensions are 190mm x 90mm and 140mm x 65mm, available at any radius.



Fully customisable size, shape and function due to the systems modular construction.

Straight Component

7 components equal approx.
1 linear metre, also suitable
for radii of 3000mm or greater

90° Corner

1000mm Radius Component

44 components for a circle
with 2000mm outer diameter

Custom radii available
on request.

500mm Radius Component

22 components for a circle
with 1000mm outer diameter

End Component

Grooved on one side only.

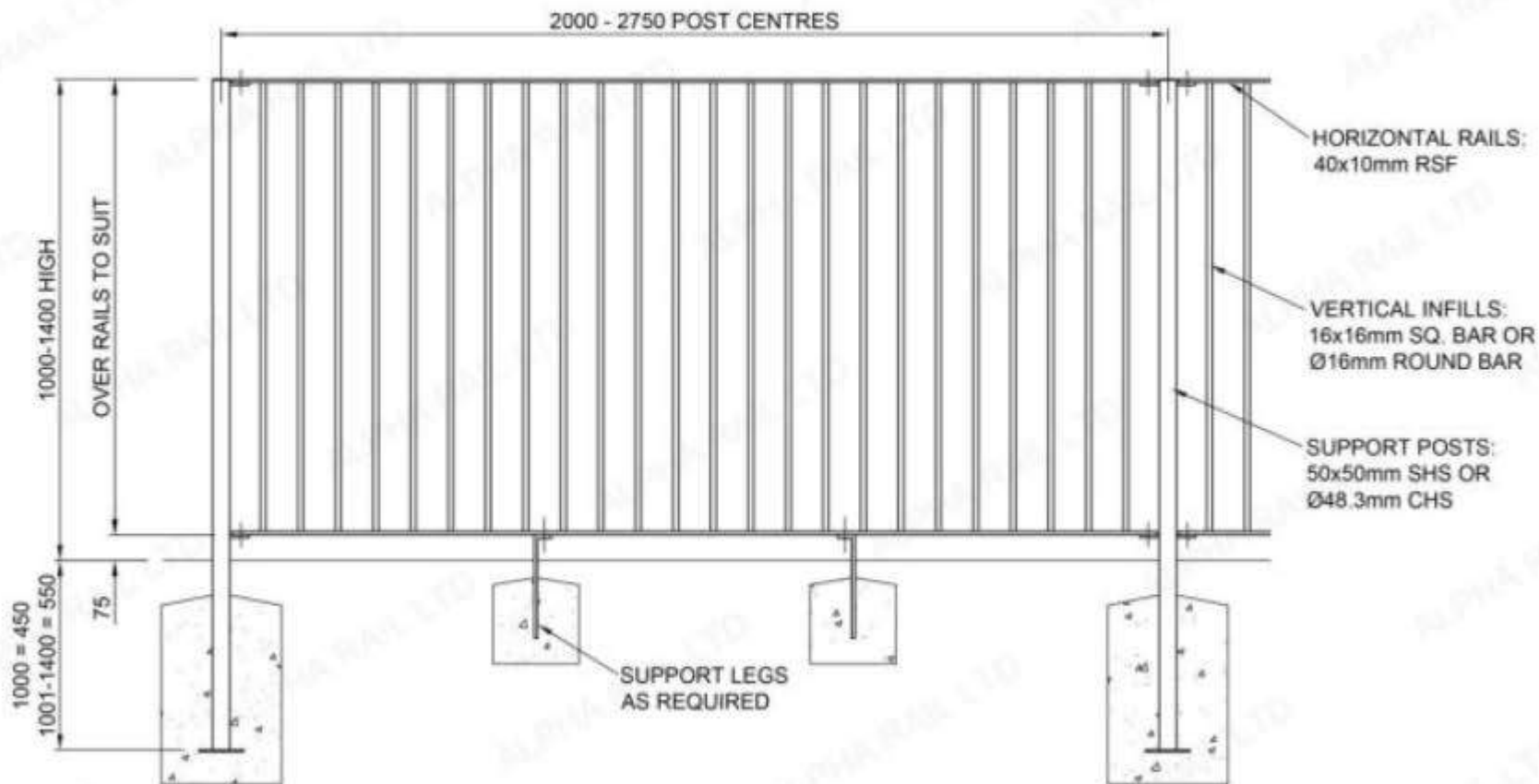
Retaining Wall system : Anti-skate : Recessed Light Fittings



Retaining Wall system : Custom Shape



TYPICAL ELEVATION



DRAWING

FT/001

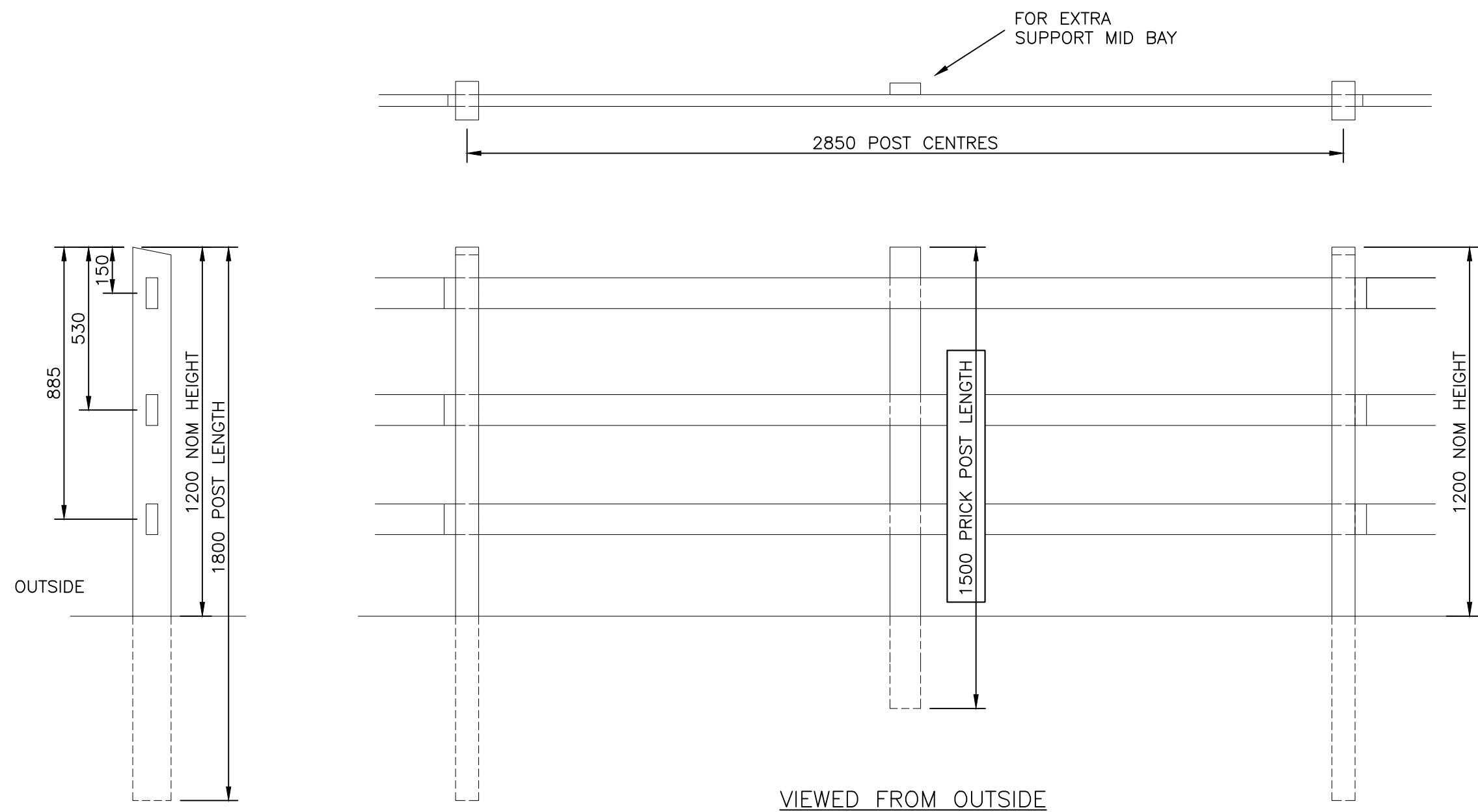
TITLE

FLAT TOP RAILING



ALPHA RAIL
RAILINGS . GATES . GUARDRAIL

DO NOT SCALE – IF IN DOUBT ASK



NOTES.

ALL DIMENSIONS ARE IN mm (U.N.O)
GAPS UNDERNEATH FENCES ARE
NOMINAL DUE TO GROUND LEVELS.

Materials.

FENCE POSTS – 125mm x 75mm (JAKCURED)
RAILS – 100mm x 38mm (JAKCURED)
PRICK POSTS – 100mm x 38mm (JAKCURED)

Jacksons Fencing	Stowting Common, Near Ashford, Kent. TN25 6BN Telephone: 01233 750393 Fax: 01233 750403 www.jacksons-fencing.co.uk www.jacksons-security.co.uk	17/03/16	Original Issue	Drawn LA		TITLE POST & RAIL (MORTICED) 3 RAIL FENCE (SALES DRAWING)			
				Date 16/03/16					
				Checked LA		CUSTOMER		Drawing No. J7/01278 Sheet 1	
				Size A3	Scale 1:16 U.O.S				

Granite Step Unit



Granite aggregate steps.

Crafted with natural granite aggregates, Granite Step Units have an attractive, natural appearance and coarse textured surface, making these paving steps a stylish and practical choice for your project.

- Available with the inclusion of contrasting nosing
- Manufactured with natural granite aggregates
- Vibrant long-lasting colours
- Creates a striking, contemporary look



TGA

Textured
Granite Aggregate

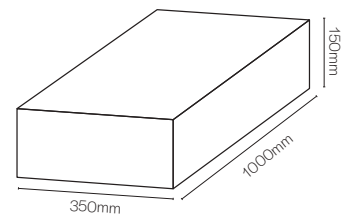
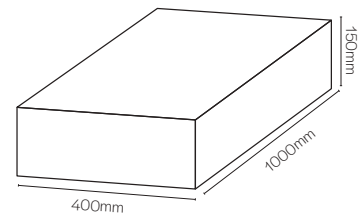
Finish



Pedestrian
Use



BIM
Level 2



Sizes



Granite Step Unit



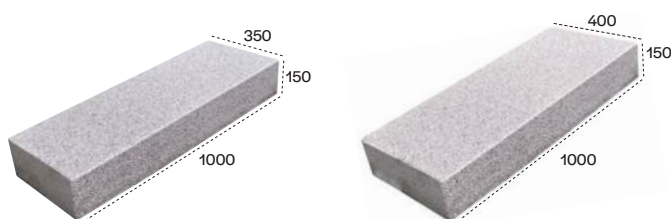
Specification



Product type	Concrete Block
Manufactured to	BS EN 1339:2003
Granite Content	Not less than 56.4% of granite aggregate in surface layer.
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Strength	Typical tensile splitting strength of >5MPa (Class 3)
Slip/Skid resistance	Mean polished skid resistance value (PSRV) >45, Mean unpolished skid resistance value (USRV) >45
BS	Plus Q24 110 Create 45-20-64/400
Tolerances on Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm
Abrasion Resistance	Class 3
Durability (Freeze-thaw)	Class 3
External Fire Performance	Deemed to satisfy. See Commission Decision 2000/553/EC
Reaction to fire	Class A1
Applications	This product should be designed into projects using guidance from the Building Regulations, British Standards and any other relevant documents.
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
 Carbon Footprint	1000 x 150 x 400mm - 21.42kgCo2e/each 1000 x 150 x 350mm - 18.74kgCo2e/each
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
 rating www.bre.co.uk	Refer to the Green Guide to Specification, 4th Edition 2009.

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Product Profile



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Granite Step Unit



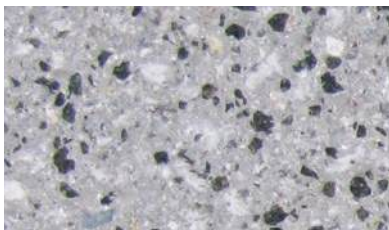
Stock

product	size (mm)	finish	edge	colours available	in stock	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Granite Step Unit with/without contrasting nosing	400 x 150 x 1000	Granite Textured	Square	Granite Aggregate (can be produced with or without a black contrasting nosing 55mm x 50mm)	YES	10	1380	1370
BIM	350 x 150 x 1000	Granite Textured	Square	Granite Aggregate (can be produced with or without a black contrasting nosing 55mm x 50mm)	YES	10	1180	1170

BIM - This product is available to download from our website in BIM Level 2 format.

Important: Tobermore recommend that compliance is sought from Building Control prior to the installation of any of its step products.

Granite Aggregate



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