Steps v1.10

Tobermore

Granite Step Unit with Contrast Nosing

Contents

Tobermore

First impressions count and having aesthetically pleasing steps as the access to a building creates a great first impression. Steps not only need to look great they also serve a very important service for their users and therefore they need to be correctly designed using the best quality products.

Mayfair Step Flags Silver

Technical Guidance

Industry Documents

It is essential when designing stepped access to and from buildings that all relevant industry regulations and guidance documents are considered and that the information in these documents is implemented by the specifier into their project. The documents listed below give architects guidance on the regulations which are required when designing steps for external use.

Building Regulations 2010 Part M, England - Access to and use of buildings.
Building Regulations 2010 Part M, Wales - Access to and use of buildings.
Building Regulations 2010 Part K, England, Protection from falling, collision and impact.
Building Regulations Northern Ireland 2012 Part H –Stairs, ramps, guarding and protection from impact.
Building Regulations Ireland TGD M 2010, Part M- Access and use.
BS8300:2018 Design of an accessible and inclusive built environment. Part1 External environment – Code of practice.
BS9266:2013 Design of accessible and adaptable general needs housing – Code of practice.

These documents provide relevant information on what is required to meet compliance with the regulations. It provides guidance and examples for some of the most common building situations.

BSI has revised BS 8300:2018 Design of an accessible and inclusive built environment.

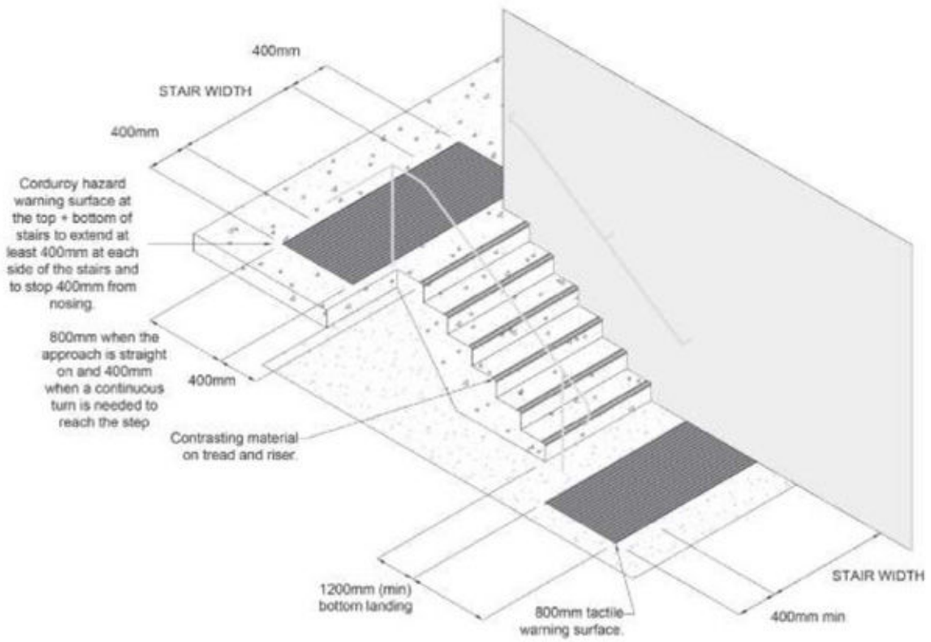
This document provides guidance on good practice in the design of buildings and also gives some recommendations. There are examples of how to design approaches and other associated routes in the immediate vicinity of the building. This ensures that they are convenient to use by everyone including those with reduced mobility.

This British Standard should be considered alongside the building regulations and therefore whilst ensuring good practice it is not necessarily equivalent to compliance with the guidance in the Building Regulation documents.

The regulations listed here and adherence to them does not guarantee compliance as they are not exhaustive.

It is the responsibility of the designer to ensure that the products specified comply with all regulations. Tobermore recommend that compliance is sought from Building Control prior to the installation of any of its step products.

Figure 1 typical layout of steps including the use of hazard warning tactile flags



Tread & Riser Dimensions

The safe passage of users ascending and descending stairs relies on the minimum and maximum dimensions of the treads and the risers. To ensure predictability to the user they are required to be consistent.

Tables 1 and 2 provide guidance from the relevant standards

Table 1.

Standard	Tread / going dimension	Rise dimension
BS 8300 :2018 Design of accessible and inclusive built environment	Between 300mm and 450mm	Between 150mm and 180mm
Building Regulations Part M England 2015	Between 280mm and 425mm For school buildings the preferred dimension is 280mm.	Between 150mm and 170mm For school buildings the preferred dimension is 150mm.
Building Regulations Part H Northern Ireland 2012	Between 280mm and 425mm	Between 150mm and 170mm
Building Regulations Ireland TGD Part M 2010.	Between 300mm and 450mm	Between 150mm and 180mm
Building standards Scotland technical handbook 2019: non-domestic	Minimum going of 250mm	Maximum rise of 170mm

Building Regulations Ireland & Northern Ireland document Part K should also need referred to as it states for external steps the normal relationship between the dimensions of the rise and going is: twice the rise plus the going (2R + G) equals between 550mm and 700mm.

MayfairStep Flags with Contrasting Nosing

Visually Contrasting Nosings

It is crucial when ascending or descending a flight of stairs that the user can clearly identify the individual treads and risers.

The principle requirement is that the nosing of a step is clearly defined.

Tobermore step products have integral contrasting GRP nosings which have been independently tested to ensure compliance with the LRV and slip / skid requirements.

Table 2.

Standard	**Nosing requirement**
BS 8300:2018 Design of accessible and inclusive built environment	50-65mm on tread and 30-55mm on riser
Building Regulations Part M England 2015	55mm on both tread and riser
Where the recommendation in BS 83000 implies a higher standard than that recommended in ADM Vol.2, clearly that would be acceptable. Also, where the BS recommendations post-date the publication of AD M and are based on new or re-evaluated research, such as described below, those recommendations too may be considered acceptable alternatives to the guidance in ADM Vol.2. Taken from Approve Document M "Access to and use of buildings" FAQ's September 17.	
Building Regulations Part K England 2015	55mm on both tread and riser (for buildings other than dwellings) 50-65mm on tread and 30-55mm on riser (common areas in flats)
Building Regulations Part M Wales 2010	55mm on both tread and riser
Building Regulations Part H Northern Ireland 2012	Nosings not less than 50mm and not greater than 60mm
Building Regulations Part M Rep. of Ireland	50-65mm on tread only
Building standards technical handbook 2019: non-domestic (Scotland)	A stair should have contrasting nosings to assist in identifying the position of treads and risers
BS 9266:2013 Design of accessible and adaptable housing	50-65mm on the tread and 30-55mm on riser

Mayfair Step Flags with Contrasting Nosing

Note: There is a small variance between the documents, but the general consensus is that a visually contrasting nosing with the dimension of 55mm on the tread and between 30-55mm on the riser meet the requirements.

Furthermore, the 55mm dimensions detailed in Table 2 is guidance only. Communities and Local Government acknowledges that advice given by other expert bodies should be taken into consideration. The RNIB Access Consultancy Services state that for partially sighted people the ideal dimension for a stair nosing is 55mm on the tread and 30-50mm on the riser.

Light Reflectance Values

In architecture, light reflectance value (LRV), is a measure of visible and usable light that is reflected from a surface when illuminated by a light source. Tests have demonstrated that surfaces that have sufficient differences in LRV can be distinguished from each other by partially sighted and blind people. Therefore there should be a visible contrast between the step nosing and the going and rise.

Building Regulations General Guidance – states that a visual contrast is achieved when "the difference in Light Reflectance Value (LRV) is greater than 30 points".

When tested in accordance with BS8493:2009+A:2010 light reflectance value of a surface.

Tobermore silver granite Mayfair flags and silver granite step units with an integral black contrasting nosing provide the necessary 30 point difference.

Product	**LRV**
Mayfair Silver Granite Flag	38.55
Silver Granite Step Unit	37.78
Black GRP	3.74

Slip/skid of Step Products

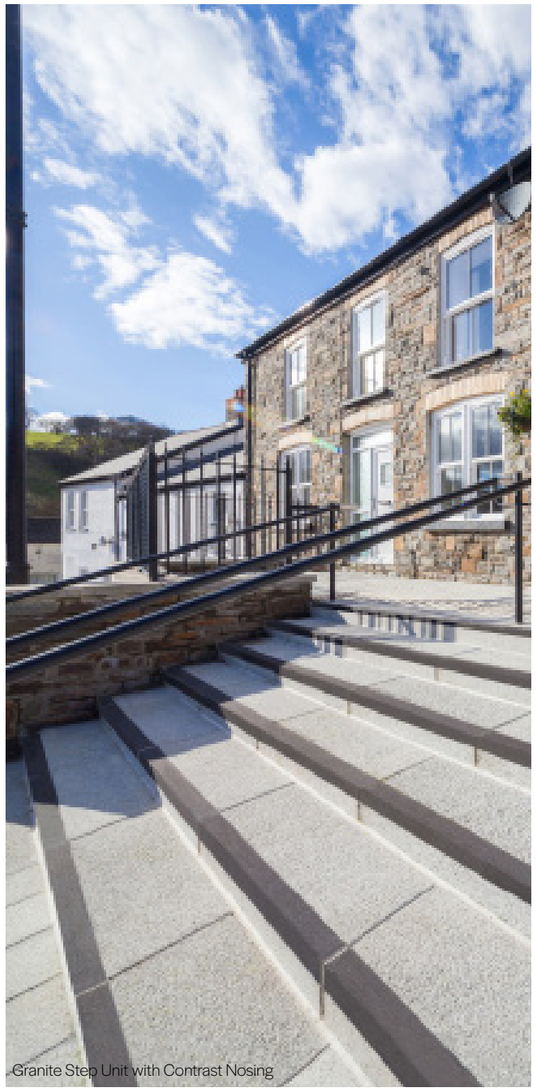
Slip/Skid of Nosings
The HSE (Health & Safety Executive and Health & Safety Authority Ireland) use the UK Slip Resistance Group (UKSRG, Issue 5:2016) guidance to put PTV results into three classifications (High, Moderate and Low slip potential) See Table 3.

The GRP step nosings are independently tested using the Pendulum Testing method (PTV) which is deemed to be best practice by the HSE and the UK Slip Resistance Group.

All nosings have a PTV above 36 which classifies them as having a "low" risk/potential for slip.

Table 3.

Slip Potential	**PTV**
High	0-24
Moderate	25-35
Low	36+



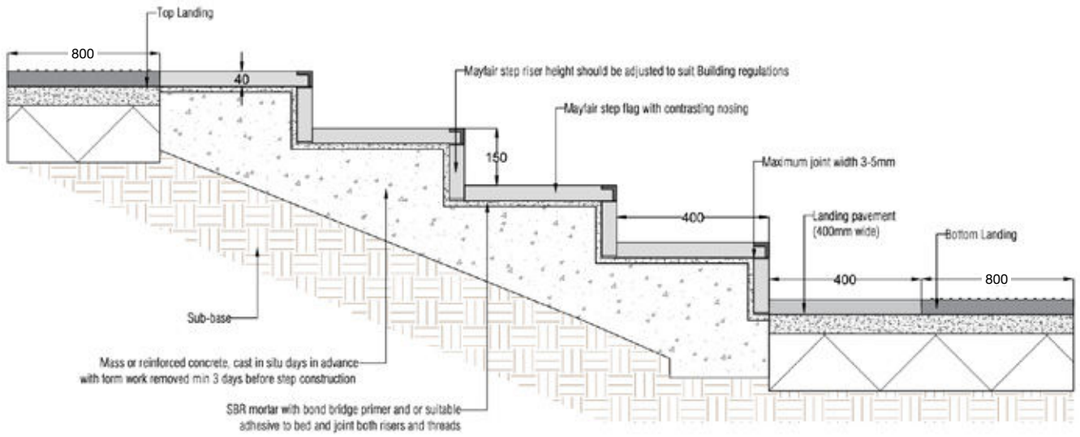
Granite Step Unit with Contrast Nosing

Table 4.
Slip/Skid Resistance of Step Products

Product	**PTV**	**Slip potential**
Mayfair Silver flags	>45	Low
Silver granite step units	>45	Low

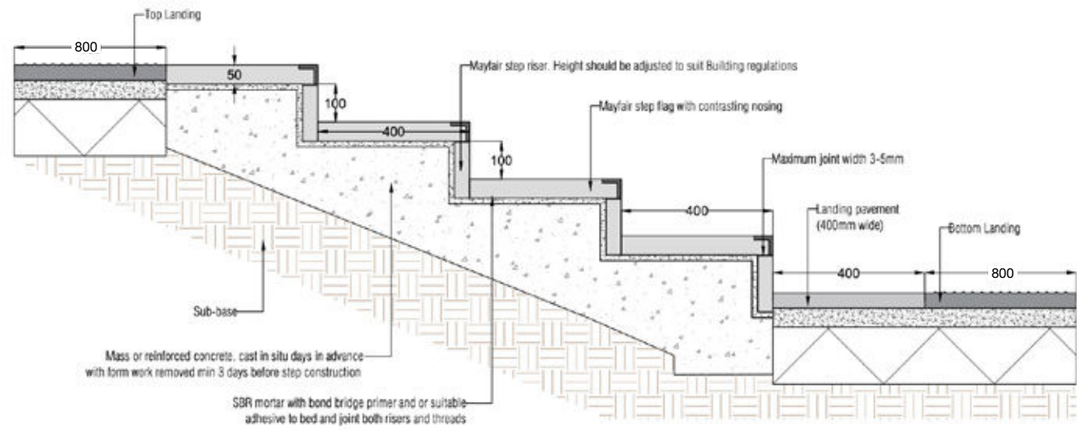
40mm Step Flags

Typical detail



50mm Step Flags

Typical detail



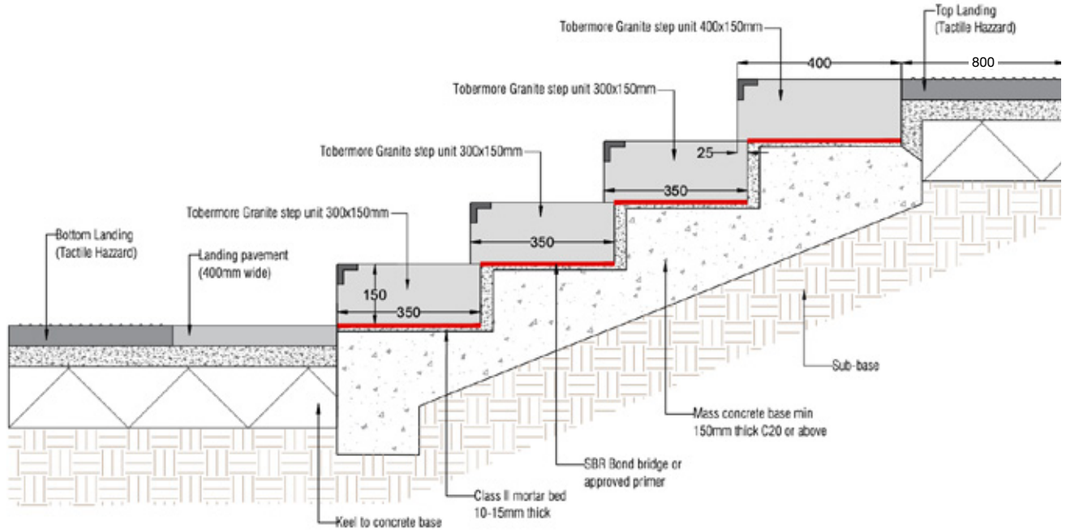
Note:
Suggested adhesive, Weberset Thick Bed or similar. Alternatively a 3:1 mortar with added SBR with a cement / SBR bond bridge to both the concrete former and the underside of the flags.

Disclaimer:

- It is the responsibility of the designer to ensure that the products specified comply with all Building Regulations and any other relevant standards.
- Tobermore recommend that compliance is sought from Building Control prior to the installation of any of its step products.
- Tobermore Concrete Ltd will not be liable for any loss or damage resulting from the reliance on this drawing.

Granite Step Unit

Typical detail



Granite Step Unit with Contrasting Nosing

Mayfair Step Flags

with/without contrasting nosing

SCAN HERE

Granite effect step flags with contrasting nosing.

With a striking granite appearance and hard-wearing surface, Mayfair Step Flags are both stylish and functional.

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

PrimeTop® Ef-Stop®

TGA
Textured
Granite Aggregate

Finish

Pedestrian
Use

600 x 400mm

400 x 400mm

Sizes

40mm
50mm

Depths

Mayfair Flags without Contrasting Nosing

Mayfair Step Flags

with contrasting nosing

TGA
Textured
Granite Aggregate

Finish

Pedestrian
Use

Specification

PrimeTop® Ef-Stop®

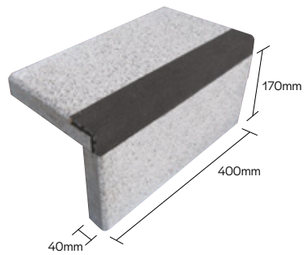
Product type	Concrete Paving Flag
Manufactured to	BS EN 1339:2003
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >390kgs/m^3 cement
Granite Content	Not less than 57% of granite aggregate in surface layer for Silver.
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Strength	**Less than 50mm deep** Typical tensile splitting strength of >3.5MPa **50mm or greater** 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
Installed to	BS 7533-4:2006
NSG	**Plus** Q25 315 **Create** 45-20-64/395
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
Recycled content	Not less than 6%
Carbon Footprint	**40mm** 16kgCo2e/each **50mm** 19kgCo2e/each
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, 4th 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.

Stock

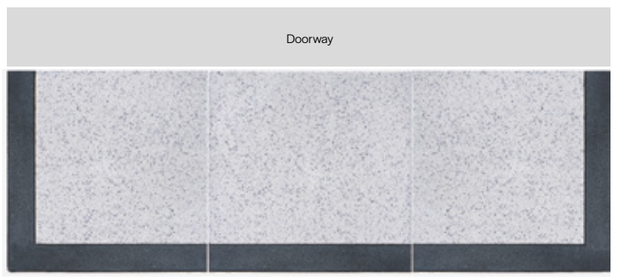
product	size (mm)	finish	edge	colours available	in stock	no. per m²	no. per pack	no. per pallet	weight kg per pack GB	weight kg per pack NI/ROI
Mayfair Edge Step with contrasting nosing	600 x 400 x 50	Granite Textured	Chamfered	Silver Flag with Contrasting Nosing 55mm x 50mm	YES	4.16	20	40	589	584
	400 x 400 x 40			Silver Flag with Contrasting Nosing 55mm x 40mm	YES	6.25	25	100	403	401
Mayfair Corner Step with contrasting nosing	600 x 400 x 50	Granite Textured	Chamfered	Silver Flag with Contrasting Nosing 55mm x 50mm	YES	4.16	20	40	589	584
	400 x 400 x 40			Silver Flag with Contrasting Nosing 55mm x 40mm	YES	6.25	25	100	403	401
Mayfair Step Riser	400 x 170 x 40	Granite Textured	Chamfered	Silver	YES	-	25	100	195	192

Product Profile



Mayfair Step Riser Silver 400 x 170 x 40mm
Mayfair Step Flag with contrasting nosing
Note: risers may need to be cut to suit regulations

Step Example



Mayfair Corner Step
400 x 400 x 40mm
with Contrasting Nosing

Mayfair Edge Step
400 x 400 x 40mm
with Contrasting Nosing

Mayfair Corner Step
400 x 400 x 40mm
with Contrasting Nosing

Mayfair Step Flags

Granite effect step flags and risers.

If you're looking for superior concrete step flags with an elegant modern appearance, Mayfair Step Flags are a great choice. This product is ideal for creating a natural granite effect due to the eye-catching granite aggregate surface layer.

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

PrimeTop® Ef-Stop®

SCAN HERE

400 x 400mm

Sizes

40mm

Depths

Mayfair Step Flags

TGA
Textured
Granite Aggregate

Finish

Pedestrian
Use

Specification

PrimeTop® Ef-Stop®

Product type	Concrete Paving Flag
Manufactured to	BS EN 1339:2003
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >390kgs/m^3 cement
Granite Content	Not less than 57% of granite aggregate in surface layer for Silver and Graphite; Not less than 46% of granite aggregate in surface layer for Sandstone.
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Strength	**Less than 50mm deep** Typical tensile splitting strength of >3.5MPa **50mm or greater** 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
Installed to	BS 7533-4:2006
nssPlus	**Plus** Q25 315 **Create** 45-20-64/395
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
Recycled content	Not less than 6%
EPD **Carbon Footprint**	**Edge Step**
	16kgCo2e/each
	Corner Step
	16kgCo2e/each
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, 4th 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.

Step Example

Stock

product	size (mm)	finish	edge	colours available	in stock	no. per m²	no. per pack	no. per pallet	weight kg per pack GB	weight kg per pack NI/ROI
Mayfair Edge Step	400 x 400 x 40	Granite Textured (Top & 1 edge)	Chamfered	Silver	YES	6.25	25	100	403	401
Mayfair Corner Step	400 x 400 x 40	Granite Textured (Top & 2 edges)	Chamfered	Silver	YES	6.25	25	100	403	401
Mayfair Step Riser	400 x 170 x 40	Granite Textured	Chamfered	Silver	YES	-	25	100	195	192

Silver

The colour of Mayfair Step Flags may slightly vary to the normal Mayfair Flag.

Granite Step Unit

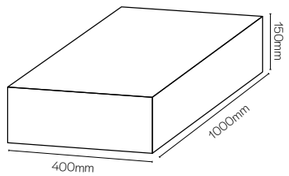
with/without contrasting nosing

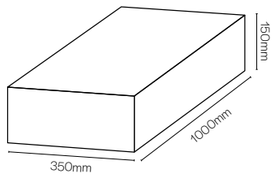
SCAN HERE

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 delineation strip
- Manufactured with natural granite aggregates
- Vibrant long-lasting colours
- Creates a striking, contemporary look





Sizes

Ef-Stop Ef-Stop

Granite Step Unit with Contrasting Nosing

Granite Step Unit

TGA
Textured
Granite Aggregate
Finish

Pedestrian
Use

BIM
Level 2

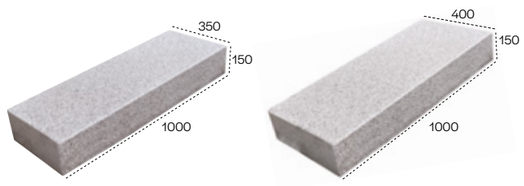
Specification

Ef-Stop

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
NSS	**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
EPD VERIFIED **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
breeam **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

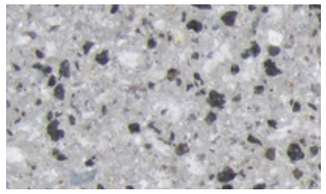


Stock

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 **BIM**	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	1370	1370
	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	1200	1200

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

Silver



Tegula Bracken & Granite Step Unit

Instructions & Warnings

As referred to in Tobermore's Conditions of Sale

CORE TERMS (PAVING & WALLING)

Product
All products should be carefully inspected for defects or damage upon delivery and prior to being laid or fitted.

Product Information
Within Tobermore, design and development of products is a continuing process, and product information is subject to change without notice. Accordingly, please check with Tobermore to ensure that the product information you have represents the most up-to-date product information.

Delivery
Tobermore will ship your products as soon as they are ready, due to yard storage restrictions all products must be delivered within 28 days of the material being ready for delivery.

Prior to Installation
It is good practice to sort products to ensure consistency of colour, texture and dimensional tolerance. Any defects must be reported without delay. If products are installed with any form of defect which was clearly apparent prior to installation the installer will be responsible for all costs incurred to rectify the issue.

Installation
All products should be installed in accordance with the latest British Standard.

Colour & Texture
Tobermore produces paving and walling products with excellent density and durability. All products are manufactured in batches using naturally extracted raw materials including aggregates, pigments and cement etc. Products such Braemar, Sienna, Fusion, Mayfair Flags, Manhattan, City Pave and Fusion Kerbs are manufactured using premium naturally occurring granite aggregates. To achieve their final appearance some products undergo secondary processes, this involves shot blasting or grinding the surface of the product.

Whilst we have several factory procedures in place to help control shade, colour and texture within and between batches we cannot guarantee consistency. This is due to the natural materials and secondary processes. Therefore, slight variations in the finished products is normal between and within batches. These variations actually enhance the character and natural beauty of the products. Taking delivery of orders within 28 days can reduce the likelihood of variations.

To achieve the best possible finish we recommend the following advice is followed to evenly distribute any slight variations in shade, colour and texture over a large area.

When the circumstances allow complete one area of paving, one retaining wall or one house / building by using products taken from the same batch. This is achieved by checking the batch code label displayed on the packs.

Always, thoroughly mix products from a minimum of three packs.

Where products are supplied in packs with vertical slices always take them "vertically slice by slice" this ensures that colours are distributed evenly.

When the circumstances do not allow the use of products from the same batch then it is extremely important to minimise possible colour banding /shading by always, thoroughly mixing products from a minimum of three packs concurrently with some overlap between deliveries / batches.

Mixing thoroughly from a minimum of three packs is of particular importance when installing single colours such as Golden, Buff, Natural, Charcoal, Graphite, Silver, Mid-Grey, Sandstone, Alto Silver, Aaron Stone, Jura Grey and Innis Black.

We would always recommend that when purchasing products, especially in larger quantities, that they are all ordered at the same time.

Please note that the colour of new products will inevitably vary compared to those that have been installed for a period of time as weathering does take place.

All colour illustrations are as accurate as the printing process will allow. For a more accurate colour match please refer to actual product samples, which can be provided.

Colours and textures illustrated are representations and therefore should not be expected to be an exact match.

Note: Whilst we strive to ensure consistency, complimentary products such as Kerb Specials, Step Flags, Facing Brick Specials, Historic Circles etc. may not be an exact colour / texture or shade match to the standard version of the product as they will have been manufactured at varying times using different processes.

Tegula
Tegula is manufactured using a secondary process that distresses the edges and corners of the blocks to give the desired aged antique appearance. The process randomly distresses the blocks, therefore some blocks will be more distressed than others will, this is completely normal and does not affect the product performance.

Staining
Some chemicals that are commonly used in gardens such as lawn feed containing Ferrous Sulphate can stain concrete products. Any chemicals that are spilt must be removed immediately by rinsing away with clean water. Please check the information on the instruction label of the container holding the chemical.

Moisture
Occasionally, after installation, some units may show variations in shade and have a patchy appearance. This is due to the varying amounts of moisture within the concrete and the ground. The drying out process of concrete continues in-situ after installation. Some units may also retain more moisture than neighbouring units and take longer to dry out. This is caused by the variations in density of the naturally extracted aggregates used in the manufacturing process. Given time and natural weathering, the capillaries within the surface of the concrete will gradually close and any patches or moisture retention will dissipate as the product matures. This does not affect long-term performance.

Efflorescence
Efflorescence is a crystalline deposit that occurs naturally on the surface of concrete materials. It usually appears as white deposit but can also be brown or yellow in appearance. Tobermore use market-leading technology to significantly suppress the occurrence of efflorescence, however, if it occurs, it may mask the colour of the product for a period of time, but tends to be washed away gradually by rain. Tobermore do not replace products with efflorescence. Packs of products which have had packaging removed should always be re-covered with appropriate packaging to prevent the occurrence of secondary efflorescence.

Surface Scratches
Minor scuffs or bruises may occur during delivery, movement onsite, and installation (for example, during any plate vibrating process). In Tobermore's experience, these marks usually weather off through time. (EasyClean products are protected with a glue dot)

To reduce the risk of surface scratches we strongly recommend the use of a vibrating plate with a rubber protective mat.

Ordering
To avoid waste, please ensure that your contractor accurately measures the area on site before ordering products. In Tobermore's experience, dimensions taken from a project plan can vary significantly from the final layout.

Depending on the layout of the project, we recommend ordering an additional 2 - 5% of material to allow for cutting, detailing and wastage.

Manufacturing & Quality Systems
Tobermore is a BS EN ISO 9001, BS EN ISO 14001 and BES 6001 registered company. Tobermore uses an integrated management system to manage all health & safety and environmental issues.

Product Maintenance
Routine cleaning and maintenance is required to keep the overall appearance of products in pristine condition.

All concrete products can develop algae, lichen, and moss growths due to environmental conditions and may require cleaning. Areas adjacent to plant borders and trees may discolour from transfer of plant-life. Tobermore cannot accept responsibility for any of these conditions.

Queries & Complaints
Please contact one of Tobermore's Paving & Walling Centres or offices (contact details at www.tobermore.co.uk) with any queries or complaints. Any complaints must be notified to Tobermore without delay.

CORE TERMS (PAVING ONLY)

Product Maintenance
Paving installed unbound should have a close joint width of 2-5mm to allow for the dimensional tolerances of products and to create a gap to allow the brushing in of kiln dried jointing sand. The straightness of lines will be dependent on workmanship and product tolerances. String lines must be used to help achieve straight lines.

Tobermore do not recommend Butt jointing as this will make achieving straight lines more difficult.

Product Maintenance
Light coloured paving blocks and flags emphasise tyre marks and oil spills on the driveway. Please note that these products will need more maintenance if overall appearance is to be maintained.

Initial Cleaning
When an area has just been paved, allow it to settle for a few days. After this, you may wish to lightly hose down the paving to remove any excess sand or dirt. The area should then be treated with a weed killer suppressant two – three times per year as required.

General Cleaning
Paving requires regular maintenance, including regular sweeping to prevent the build up of detritus. Tobermore recommends that paving is cleaned 2-3 times per year.

For general cleaning of dirt and algae, vigorous brushing with a stiff yard brush with plenty of hot detergent solution (washing up liquid or non-bio washing powder), thoroughly rinsed with clean water, should suffice. Repeated treatment may be required for paved areas sited beneath trees or in permanent/near permanent shade.

A light power hose at medium pressure is generally all that is required to clean general dirt and grime. Any jointing material which is removed must be replaced. Do not use high pressure powerwashers as aggressive power-washing can damage the product surface. A trial area should be tested before large scale powerwashing takes place.

(Important: EasyClean products should not be pressure washed. Please refer to specific EasyClean information)

Moss, Lichen and Algae
Thick growths of moss or lichen must be removed first by scraping out the joints and then treating the area with a moss killer such as anti-moss paving cleaner. Anti-moss is designed to remove moss, lichens and algae. It is best applied in dry weather. After being applied it will take a few days to be fully effective. Once the moss and lichens have been killed, they can easily be brushed off. Anti-moss also leaves a residue in the sand joint which will help reduce the likelihood of re-growth. The manufacturer's instructions should always be followed when using any cleaning agent.

Weeds
Large weeds should be removed by hand and then the area treated with a weed killer (available from any good garden centre). Smaller weeds can then be treated directly with weed killer and these weeds should start to die within days. The manufacturer's instructions should always be followed when using any weed killing agent.

Block Paving Sealer
It is possible to seal block paving with a resin material which combats staining and weed growth and which also enhances colour and appearance. The acrylic sealer is sprayed onto the block paving and forms a 'skin' on top of the paving and the jointing material giving an easily maintained finish. The manufacturer's instructions should always be followed when using any sealing agent. (Important: Do not use sealers on EasyClean products)

Important Information

Any technical information provided by Tobermore in relation to any product (whether before or after order) is provided by way of GUIDANCE ONLY and, to the fullest extent permitted by law, without liability on the part of Tobermore for any loss or damage suffered as a result of relying upon it. Such technical information should not be relied upon in substitution for obtaining independent expert advice prior to using any product from both a suitably qualified engineer and building contractor, in particular, as to the suitability of the product for use at the intended site for the intended scheme.

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