

Aluminium Door Furniture



LR100

50x8mm Rose 19mm Bar
PAA SAA

Premium

BS EN1906:2001
30 & 60 minute
fire rated



DDA compliant
52x8mm Rose 19mm Bar
PAA SAA
52x8mm Rose 22mm Bar
PAA SAA



LB101

Premium

153x41mm Backplate
Latch PAA SAA
Lock PAA SAA
Euro PAA SAA
Oval PAA SAA
Bathroom PAA SAA



LR102

Premium

BS EN1906:2001
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LR103

Premium

BS EN1906:2001
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LB104

104x40mm Backplate
Latch SAA
153x40mm Backplate
Lock SAA
Euro SAA
Bathroom SAA



LR130

Turn & release with indicator
50x8mm Rose PAA SAA
Premium
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LR131



Disabled turn & release with indicator
50x8mm Rose PAA SAA
Premium
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LR132

Keyhole escutcheon
50x8mm Rose PAA SAA
Premium
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LR133

Euro escutcheon
50x8mm Rose PAA SAA
Premium
30 & 60 minute fire rated
52x8mm Rose PAA SAA



LR133

Oval escutcheon
50x8mm Rose PAA SAA
Premium
30 & 60 minute fire rated
52x8mm Rose PAA SAA

Bullnosed Edging 50 x 200 x 914

Date Created: 07/02/19



Standard Grey Edging

Marshalls uses hydraulic pressing in the manufacture of its standard natural kerb, channels and edgings. The result is the durability and consistent long-term performance you would expect from Marshalls with a functional unit of this type.

These precision-manufactured products are available in many different shapes and profiles to fulfil a wide range of design requirements.

Bullnose and Square channels are typically used as a spacer between the kerb and the carriageway or for off road parking and lay-bys, while Dished channels provide an aid to drainage. Bullnose, Round Top and Flat Top edging is mostly used along footpath edges.

Download our brochure to explore the full range.

DESCRIPTION	
Appearance	Solid unit with pimple surface
Manufacturing Process	Hydraulically pressed concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1340 : 2003
CE Marking/DOP	https://www.marshalls.co.uk/dop
NBS Specification	Q10 10



Bullnosed Edging 50 x 200 x 914

Date Created: 07/02/19

PHYSICAL PROPERTIES

Tolerances on Work Dimensions (mm)	Width ± 3 mm, height ± 3 mm, length ± 3 mm
Abrasion Resistance (mm)	≤ 23 mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ²
Material Density	2300 kg/m ³ (typically)
Slip/Skid Resistance (polished)	Mean polished skid resistance value (PSRV) : > 45
Slip/Skid Resistance (unpolished)	Mean unpolished skid resistance value (USRV) : > 45 .

SPECIFICATION

Approx unit weight (kg)	20
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy. See commission decision 2000/553/ECU
Reaction to fire	Class A1, see commission decision 2000/605/EC

SUSTAINABILITY

Carbon Footprint	Available on Request
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FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Marshalls reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice
Contact Us	For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233





Visit the NBS National BIM Library

Did you know? Having set specification standards for the UK, NBS have now established the same high standards for BIM Objects.

NBS National BIM Library offers a free-to-use resource of NBS standard generic and proprietary BIM Objects in industry-neutral IFC and formats compatible with Autodesk Revit, ArchiCAD, Vectorworks and AECOSim.



product specifications by NBS

The product information below is from the NBS Plus library of product clauses offered in NBS specification products. It has been created by NBS for Marshalls plc. The clause is authored in NBS format and is intended for inclusion in project specifications. The clause can be copied and pasted into your project specification document. **Please note that NBS product guidance is not a replacement for the manufacturer's literature and it is recommended that Marshalls plc be consulted before specifying.**

To find out more about producing specifications for building projects visit www.thenbs.com/services.

Ollerton Pennant Cycle Stand

The Ollerton Pennant Steel Cycle Stand has a contemporary design which can accommodate up to two cycles. It is available in steel or stainless steel. The steel option is galvanized with the option of powder coating. The stainless steel option is in grade 1.4404 (316L) which offers high resistance to corrosion.

More about Ollerton Pennant Cycle Stand:

[As standard](#) - [Options](#)

Ollerton Pennant Cycle Stand

- Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472.
 - Product reference: Ollerton Pennant Cycle Stand.
- Material/ Finish: **[Galvanized steel only]**.
[Galvanized and powder coated steel].
[Stainless steel grade 1.4404 (316L)].
- Colour: **[Not applicable]**. - With galvanized only and stainless steel options.
[RAL 9005 Black]. - Standard.
[RAL]. - Insert colour requirement.
- Fixing: **[Base plate]**.
[Root fixed].



[top ^](#)

Guidance for Ollerton Pennant Cycle Stand from Marshalls plc

More about Ollerton Pennant Cycle Stand: [As standard](#) - [Options](#)

As standard

Height:

- Above ground: 800 mm.
- Below ground: 300 mm.

Width:

740 mm.

Tube diameter:

48 mm.

Weight:

9 kg.

Options

Colour:

Polyester powder coating is available in full range of RAL colours, 10 RAL colours are offered as standard, with the rest of the range being available with an additional charge. Consult manufacturer's literature for more information.

Further Information

Literature:

CPD information is available for [Marshalls plc from ribacpd.com](#).

Additional information may be available for [Marshalls plc from ribaproductselector.com](#).

Contacts:

www.marshalls.co.uk

info@marshalls.co.uk

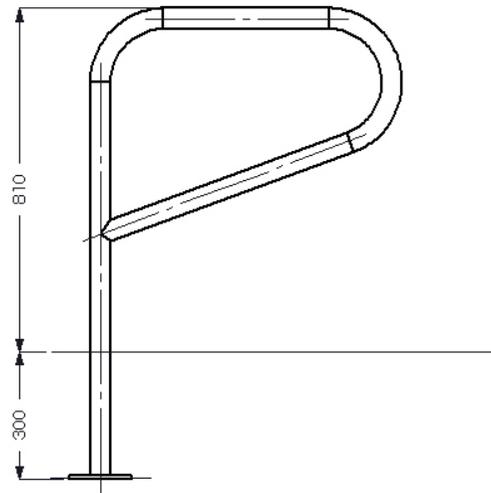
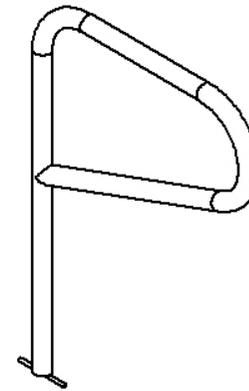
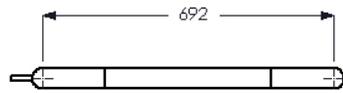
T: +44 (0)330 0574472

F: +44 (0)870 2414165

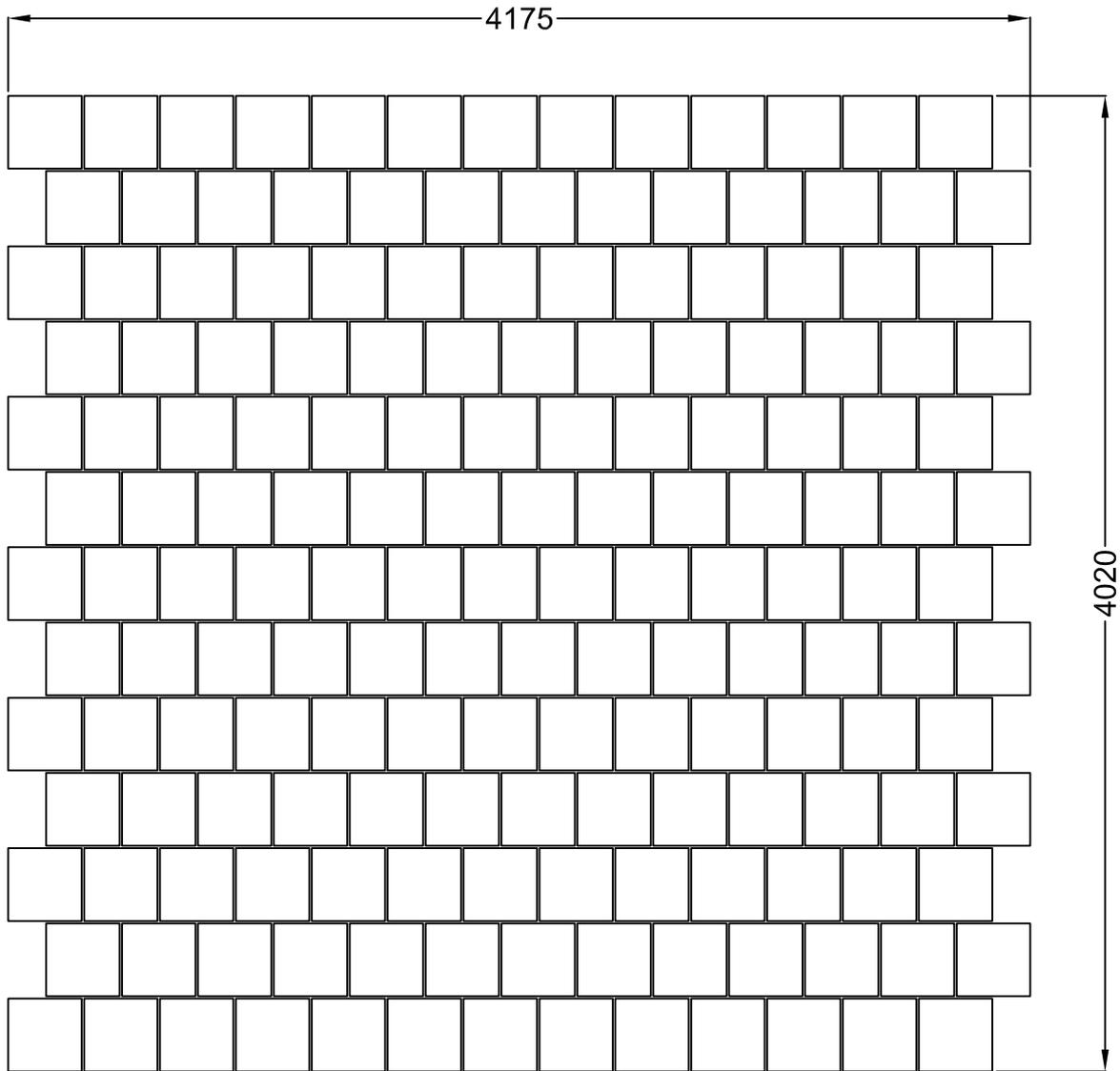
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NBS Plus

www.thenbs.com/solutions, online library, 24 June 2019



FGL



Stretcher Bond (Mortar bed and 10mm nominal mortar joint required)

Suggested layout using:
 300 x 300 module paving - 169 no.
 Approx. paved area = 16.2sq m

This layout is suitable for:
 Chancery Regent
 Heritage Standard
 Charnwood Firedstone
 Conservation
 Saxon
 Dark Jade Slate Paving

Note:
 All dimensions are approximate.
 Please allow for product tolerances
 and joint widths.
 An additional allowance is normally
 required for cutting purposes depending
 on the complexity of the pattern and
 overall layout of the area.



Customer Services, Marshalls PLC,
 Landscape House, Premier Way, Lowfields
 Business Park, Elland, Halifax, HX5 9HT.
 Tel: 0870 4113344, Fax: 01422 312943

DRAWN	SCALE	DATE	PATTERN NO.	REV.
Ian Bull	N.T.S.	11/4/03	LP-0557	



Marshalls

Creating Better Spaces

INSTALLATION DETAILS FOR REGENT PAVING

General Information

On delivery, the product should be inspected. If there are any issues, please report them immediately and do not commence installation.

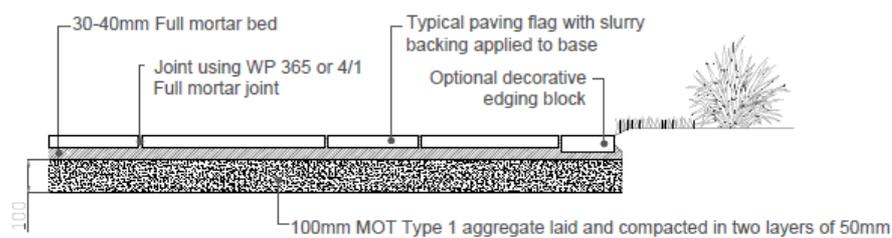
Before installation commences a certain amount of sorting of the product may be required to ensure consistency of colour, texture and dimensional tolerance.

Health and Safety Information

Safe working practices should be employed at all times during the construction process and all necessary Personal Protective Equipment (PPE) should be worn.

Pavement Design

For most domestic applications a sub-base of 100mm should prove to be sufficient. However the paving design must be based upon the prevalent ground conditions, type and frequency of anticipated loads.



1 Typical section through a patio constructed in accordance with Marshalls Register Installation Procedures
D01 Scale 1:20 @ A3

Excavation

To allow the new paving to be installed correctly, a certain amount of excavation may be required. The depth of this excavation will depend upon the thickness of the required sub-base plus the sand and/or mortar, and the paving flag thickness. An extremely important factor to consider when working out the depth of excavation is that the finished surface level of the paving, when being laid up to an existing structure, must be a minimum of 150mm below the DPC to prevent problems with rising damp in the structure.

Edge Restraints

Edge restraints should be sufficiently robust to resist the lateral displacement from imposed loadings placed upon the pavement and are installed prior to the installation of the sub-base. The restraint must provide a consistent vertical face to a level below the laying course material.

Sub-base

Material Selection

Granular sub-base material should be well graded (40mm to dust) Type 1 quality material. Inferior quality material may be liable to failure under loading and be susceptible to frost or moisture movement. Recycled materials such as crushed masonry or concrete can be considered, provided it is well graded and compacts to give a close textured finish. Materials containing organic matter should not be used.

Construction

Sub-base material should be placed in layers not exceeding 75mm in thickness or twice the nominal maximum aggregate size. Each layer should be fully compacted before the next layer is placed. Sub-base tolerance to be +5 -10mm from specified levels. The surface should be clean and suitably close textured to prevent migration of finer material through the construction.

A minimum longitudinal fall of 1.25% (1 in 80) and crossfall of 2.5% (1 in 40) should be incorporated in the sub-layer construction to provide adequate surface water runoff from the wearing course.

Rigidly Laid Paving

Material Selection

Paving units should be cleaned by washing the units with a sponge and clean water. This is to remove any dust, loose material, packaging or production aids. To avoid damaging the units, stack the units on timber battens with spacers between them

NOTE If necessary, the backs of the units should be primed using a proprietary priming product or fine mortar slurry prior to placement upon the bedding mortar. This assists bonding and helps to prevent potential marks appearing through the paving units.

Flags should be supported on a full 'wet' workable mix mortar bed of 1 part cement to 3 or 4 parts sharp sand. The mortar bedding should be laid to give a thickness between 30mm and 40mm; however some adjustment may be necessary to ensure that the units are fully supported and do not rock or move. A PVA, SBR or equivalent bonding agent can be added to the mortar to assist bonding.

Keep checking levels and gradient across the units. String lines can be helpful to define levels and lines within the laying pattern. Maintain the correct joint width by gently shuffling with a trowel. Small pieces of timber are useful as temporary spacers.

For most paving units, where a minimum of 10mm joint and minimum 22mm thick paving unit, a damp mortar mix of 1 part cement to 4 parts building sand can be used. If mortar gets onto the surface of the units, clean off immediately using a damp sponge frequently rinsed in clean water.

Alternatively Marshalls' Weatherpoint 365 Jointing Compound can be used, provided that the joint is free draining through the mortar bed onto the sub-base.

Under no circumstances should dry or semi dry sand/cement mixes be brushed into the joints. This practice leads to staining of the paving and does not constitute a true rigid joint.

If a narrow 5mm joint is desired then a gun applied mortar compound may be used to fill the joints or a good quality external grout should be considered.

Butt jointing is not recommended for any of these paving products.

Cutting

Cutting may be carried out using a diamond tipped power saw, or hammer and bolster. It must however be noted that the aesthetic finish achieved will depend greatly upon the choice of cutting mechanism and level of skill. Specific equipment or blade types should be used when cutting natural stone units as those designed for cutting concrete only may blunt easily. If more than 25% of a flag or slab requires cutting then the remaining piece should be cut from the internal corner of the cut to the external corner of the flag or slab, at an angle of preferably 45°.

Inclement Weather

Laying operations should be discontinued (and any open work face covered) if weather conditions are such that the performance of the paving may be jeopardised. Laying operations should not be undertaken when the temperature is below 3°C on a falling thermometer and below 1°C on a rising thermometer. All unfinished areas and stockpiles of materials should be covered in the advent of inclement weather to prevent saturation.

Further Information

For technical advice on commercial installations, or when confronted by unusual problems or circumstances, please contact Marshalls Technical Advisory Services on 0370 411 2233, or by email on advisory.services@marshalls.co.uk

Contacts

Parex Streetscape	eg: Easipoint	01257 224900
Lithofin	eg: MN Stain Stop	01962 732126
Ultrascape	eg: Pro-Prime	01827 872244

REGENT®

Paving



Buff (B)



Regent Paving
Buff
Also shown: Drivesett Tegula.

Traditional and practical riven look

Offering an attractive riven look at an affordable price, Regent paving is a hardwearing basic paving that offers a slightly more attractive look than basic utility products.

	Sizes mm (nominal)	No. items/pack	No. /m ²	m ² /pack	Colour	Order Select
Paving	600 x 600 x 38	30	2.8	10.8	B	✓*
	600 x 300 x 38	30	5.6	5.4		
	300 x 300 x 38	60	11.1	5.4		

*For Order Select details on Project Packs see p194.

Complete this look

Steps p166, Walling p148, Borders p174

Visit Marshall's.co.uk/homeowners for more information or to order a sample today

All products come with specific installation guidelines. See p190 for additional product notes or contact our technical team on 0370 411 2233.

