

CHARCON

HARD LANDSCAPING

CONCRETE PAVING

TECHNICAL INFORMATION
www.aggregate.com/britishstandard

BRITISH STANDARD

FLAG PAVING



THE AGGREGATE INDUSTRIES RANGE OF BRITISH STANDARD COMPLIANT, HYDRAULICALLY PRESSED CONCRETE PAVING FOR USE WHEN STANDARD FLAG PAVING IS REQUIRED.

Complies with British Standards.

Cost effective paving solution.

Available in Standard and Barfaced finishes.

Three colour options in an extensive range of sizes.

Manufactured using local aggregates minimising unnecessary haulage.

APPLICATIONS

British Standard flag paving is suitable for high volume pedestrian areas, town centres, shopping precincts and footways as well as occasional car or mechanical sweeper overrun, footways with cars and HGV vehicle or service areas. Refer to technical department for advice on applications – Tel: 01335 372222. For correct choice of flag size to suit your application, refer to BS7533 Part 8.

MANUFACTURING STANDARD

British Standard Flag paving is manufactured using a wet pressed process and is manufactured in accordance with and complies with all relevant sections of BS EN 1339: Precast Concrete Flags – requirements and test methods.

Aggregate Industries fully operates an accredited Quality Assurance scheme, certified to BS EN 9001:2008 which is independently and regularly assessed by BSI (British Standards Institution). All Aggregate Industries manufacturing sites are also certified to BS EN 14001 Environmental Management Systems.

PERFORMANCE WITH SLIP RESISTANCE

Unpolished slip resistance values, when tested in accordance with BS EN 1339, annex – method for the determination of unpolished slip resistance value, are available on request. The product is classified as having a low potential for slip i.e. a USRV of greater than 40.

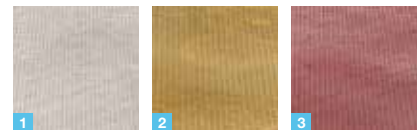
Polished slip resistance values can be provided on request.

COMPLEMENTARY PRODUCTS

Designed for use with Eco Countryside kerb, British Standard kerb, Europa block paving and Countrysetts.



COLOUR SWATCH



1. Grey
2. Buff
3. Red



OHS 61759



FM 96927



EMS 96928



Q25.
For NBS clauses, refer to Aggregate Industries technical services.

BRITISH STANDARD

FLAG PAVING

PRODUCT DATA					
Size (mm)	600x450	600x450	600x600	600x600	600x600
Finish	Standard	Standard	Standard	Standard	Standard
Thickness (mm)	50	63	37	50	63
Weight (kg) (approx)	31.0	40.0	31.0	42.0	52.0
Units/m ² (approx)	3.70	3.70	2.77	2.77	2.77
No. per pack	22	17	25	22	17
M ² /pack (approx)	5.95	4.59	9.03	7.94	6.14
Pack weight (T)	0.68	0.68	0.78	0.92	0.91
Colours	Gy, Bf	Gy	Gy	Gy, Bf, Rd	Gy
Chamfered	No	No	No	No	No

PRODUCT DATA					
Size (mm)	750x600	750x600	900x600	900x600	900x300
Finish	Standard	Standard	Standard	Standard	Standard
Thickness (mm)	50	63	50	63	50
Weight (kg) (approx)	52.0	66.0	63.0	77.0	31.0
Units/m ² (approx)	2.22	2.22	1.85	1.85	3.80
No. per pack	22	17	22	17	20
M ² /pack (approx)	9.91	7.66	11.89	9.19	5.4
Pack weight (T)	1.14	1.08	1.39	1.36	0.62
Colours	Gy, Bf, Rd	Gy	Gy, Bf, Rd	Gy	Gy
Chamfered	No	No	No	No	No

PRODUCT DATA					
Size (mm)	600x300	400x200	300x300	400x400	400x400
Finish	Standard	Standard	Standard	Standard	Standard
Thickness (mm)	50	65	60	50	65
Weight (kg) (approx)	21.0	12.0	13.0	19.0	24.0
Units/m ² (approx)	5.60	12.50	11.11	6.25	6.25
No. per pack	22	32	34	40	32
M ² /pack (approx)	3.93	2.56	3.06	6.40	5.12
Pack weight (T)	0.46	0.38	0.44	0.76	0.77
Colours	Gy	Gy	Gy	Gy	Gy, Bf
Chamfered	No	Yes	No	Yes	Yes

PRODUCT DATA					
Size (mm)	450x450	450x450	450x450	600x600	900x600
Finish	Standard	Standard	Standard	Barface	Barface
Thickness (mm)	50	50	70	50	50
Weight (kg) (approx)	24.0	24.0	34.0	41.8	62.7
Units/m ² (approx)	4.94	4.94	4.94	2.77	1.85
No. per pack	40	40	30	22	22
M ² /pack (approx)	8.10	8.10	6.07	7.94	11.89
Pack weight (T)	0.96	0.96	1.02	0.92	1.38
Colours	Gy, Bf	Gy	Gy	Gy, Bf	Gy
Chamfered	Yes	No	Yes	No	No

Gy - Grey / Bf - Buff / Rd - Red.

The 37mm thick and 900x300x50mm and 600x300x50mm are not British Standard sizes.

Please check availability from different works.

Other shades may be available on a MTO basis. Please check with sales office.

BRITISH STANDARD

FLAG PAVING

SUSTAINABILITY AND LOCAL SOURCING

ENERGY USE: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

RECYCLABLE: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

MANUFACTURING LOCATION:

Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

RESPONSIBLE SOURCING: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

Quality management.

Environmental management.

Health and safety management.

Greenhouse gas emissions.

Minimising raw material usage.

Labour practice.

Biodiversity.

Community engagement.

EFFLORESCENCE

Aggregate Industries cannot accept responsibility for the effect of "efflorescence" which can be a characteristic of all building products with a high cement content.

The phenomenon may be exhibited by an apparent loss of intensity of colour and the appearance of a milky white bloom on the face of the product. The effect generally disappears with time and is no way detrimental to the performance of the product.

KEY AGGREGATE AND RECYCLED CONTENT

British Standard flag paving is manufactured using local aggregates. It is made in a wet pressed process in special moulds incorporating pre-formed profiles.

GENERIC GREEN GUIDE RATING*

Concrete paving flags (60mm with a prepared recycled sub-base) - **A+ rated.**

Concrete paving flags (60mm with a prepared sub-base) - **A rated.**

POLICIES

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

DESIGN AND INSTALLATION

For pavement design guidance refer to BS 7533 Parts 8. For successful installation refer to BS 7533 Part 4. For specific design, installation and maintenance guidance, please contact our technical department on 01335 372222.

MAINTENANCE AND CLEANING

Aggregate Industries can supply on request advice on specific stain removal and general maintenance, suitable cleaning products and referrals to specialist cleaning companies.

COSHH DATA

Full COSHH data on the Charcon range of products is available on request. Please call the technical helpline on 01335 372222.

TECHNICAL SUPPORT

DETAILED GUIDANCE AND ASSISTANCE WITH THE PREPARATION OF SPECIFICATION OF THE CHARCON RANGE OF HARD LANDSCAPING PRODUCTS, INCLUDING MODEL CLAUSES, IS AVAILABLE THROUGH THE SALES OFFICE. A FREE TECHNICAL DESIGN SERVICE IS ALSO AVAILABLE.

FOR FURTHER INFORMATION, PLEASE REFER TO OUR TECHNICAL SERVICES ON 01335 372222.

*Ratings based upon generic green guide values (2009) supplied by BRE Global Ltd, www.thegreenguide.co.uk

The information contained within this publication was accurate at time of production. However, Aggregate Industries reserves the right to introduce modifications or changes to detail at any time without notice. No charge is levied for this publication or advice therein, and accordingly the company, its employees and authorised agents can accept no liability whatsoever, either indirectly or directly arising from the use of its products.

Charcon

Aggregate Industries, Hulland Ward,
Ashbourne, Derbyshire DE6 3ET

Tel: +44 (0)1335 372 222

Fax: +44 (0)1335 370 074

Email: landscaping@aggregate.com

www.aggregate.com

