

# CHARCON

## HARD LANDSCAPING

CONCRETE PAVING

TECHNICAL INFORMATION  
www.aggregate.com/stonemaster

### STONEMASTER®

#### FLAG PAVING AND SETTS



A REVOLUTIONARY RANGE OF FLAG AND BLOCK PAVING WITH ALL THE INHERENT BEAUTY OF INDIGENOUS STONE.

Fine sand mix replicating natural sandstone.

Four stunning shades of buff and three shades of grey replicating natural granite and yorkstone.

Pencil chamfer for enhanced aesthetics and protection against laying damage.

Guaranteed minimum 50% reclaimed and recycled material.

UK produced for nationwide stock availability.

More economical than natural stone for a cost effective solution.

Fixed sizes for ease of design.

Has a permeable option in the range.

Semi dry manufacturing process then washed.



#### COLOUR SWATCH



- 1. Natural Buff
- 2. Sandy Buff
- 3. Sienna Buff
- 4. Amber Buff

- 5. Light Grey
- 6. Medium Grey
- 7. Dark Grey



Representation of StoneMaster mixed pack in Sandy Buff, Sienna Buff and Amber Buff laying pattern.

† Represents non-primary material within the complete mix design.



Q24 and Q25. For NBS clauses, refer to Aggregate Industries technical services.

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### INSTALLATION

Please lay using blocks from various packs so that different shades are chosen. This ensures that a natural colour variation is achieved much like that found in natural stone areas.

### APPLICATIONS

StoneMaster is suitable for high volume and prestigious 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 the relevant sections of BS7533 for correct design and applications. Refer to technical department for advice on your given application - telephone 01335 372222.

### MANUFACTURING STANDARD

StoneMaster block paving is manufactured using a semi-dry process and is manufactured in accordance with and complies with all relevant sections of BS EN 1338: Precast Concrete Block Paving – requirements and test methods.

Flag paving is manufactured in accordance with and complies with all relevant sections of BS EN 1339: Precast concrete flag paving - 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 Charcon 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 and BS EN 1338, annex I - 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.

FLAG PRODUCT DATA				
Size (mm)	600x450*	450x450*	300x450*	800x200*
Thickness (mm)	80	80	80	80
Weight (kg)	51	38	25	28.8
Units/m <sup>2</sup> (approx)	3.70	4.94	7.41	6.25
No. per pack	20	40	40	32
M <sup>2</sup> per pack (approx)	5.40	8.10	5.40	5.12
Pack weight (T)	1.04	1.55	1.04	0.95
Colours	SiB*, SaB*, AB*, NB*, DG*, MG*, LG*	SiB*, SaB*, AB*, NB*, DG*, MG*, LG*	SiB*, SaB*, AB*, NB*, DG*, MG*, LG*	SiB, SaB, AB, NB*, DG, MG, LG
Chamfered	Pencil	Pencil	Pencil	Pencil

BLOCK PAVING PRODUCT DATA									
Size (mm)	600x200*†	300x300*†	300x200*†	300x100*†	200x200*†	200x100*†	100x100*†	300x100*†	Mixed Pack
Thickness (mm)	80	80	80	80	80	80	80	60	80
Weight (kg)	21	16.5	11	5.5	7.3	3.8	1.7	4	n/a
Units/m <sup>2</sup> (approx)	8.33	11.11	16.67	33.33	25	50	100	33.3	n/a
No. per pack	36	54	108	216	160	320	560	240	112
M <sup>2</sup> per pack (approx)	4.32	4.86	6.48	6.48	6.40	6.40	5.6	7.2	5.12
Pack weight (T)	0.76	0.89	1.18	1.18	1.17	1.16	1.00	0.96	0.95
Colours	SiB*, SaB*, AB*, NB*, DG*, MG*, LG*	LG, MG, DG							
Chamfered	Pencil	Pencil							

SiB - Sienna Buff / SaB - Sandy Buff / AB - Amber Buff / NB - Natural Buff / DG - Dark Grey / MG - Medium Grey / LG - Light Grey.  
StoneMaster paving comes banded and shrink-wrapped to a pallet.

Other sizes may be available. Please contact sales office.

MTO block paving: 350m<sup>2</sup> for one size, 600m<sup>2</sup> for two sizes, 700m<sup>2</sup> for three sizes and 800m<sup>2</sup> for four sizes.

\* MTO flag paving: 600m<sup>2</sup> for one size and 1200m<sup>2</sup> for two sizes etc.

Mix packs available ex stock.

† Represents non-primary material within the complete mix design.

**Mixed Pack contents:**  
500 x 100 = 24    400 x 100 = 32  
300 x 100 = 24    500 x 150 = 8  
400 x 150 = 16    300 x 150 = 8

## STONEMASTER®

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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 accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Aggregate Industries has achieved a 'Very Good' rating for major product groups. The BES 6001 standard assesses:

Quality management.

Environmental management.

Health and safety management.

A range of social and environmental issues.

**LIFE**

Life is our range of sustainable products and services. For more information please visit [www.aggregate.com/life](http://www.aggregate.com/life)

KEY AGGREGATES AND  
RECYCLED CONTENT

Locally sourced specialist sand face mix and standard back mix with over 50% reclaimed and recycled material content.

**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**.

Concrete block pavers, CBP (80mm) over prepared recycled sub-base - **A rated**.

Concrete block pavers, CBP (80mm) over prepared sub-base - **B 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](http://www.aggregate.com)

**DESIGN AND INSTALLATION**

For flag pavement design guidance refer to BS 7533 Part 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.

StoneMaster should be laid from a minimum of 3-5 packs to prevent colour banding.

For block paving pavement design guidance refer to BS 7533 Parts 1 and 2, for successful installation refer to BS 7533 Part 3. 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.**

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.

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