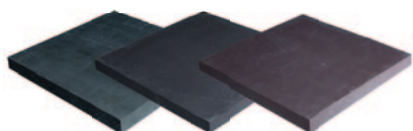


## Landscaping

# Charcon UK Natural Welsh slate flag paving and setts

Colour - Mix

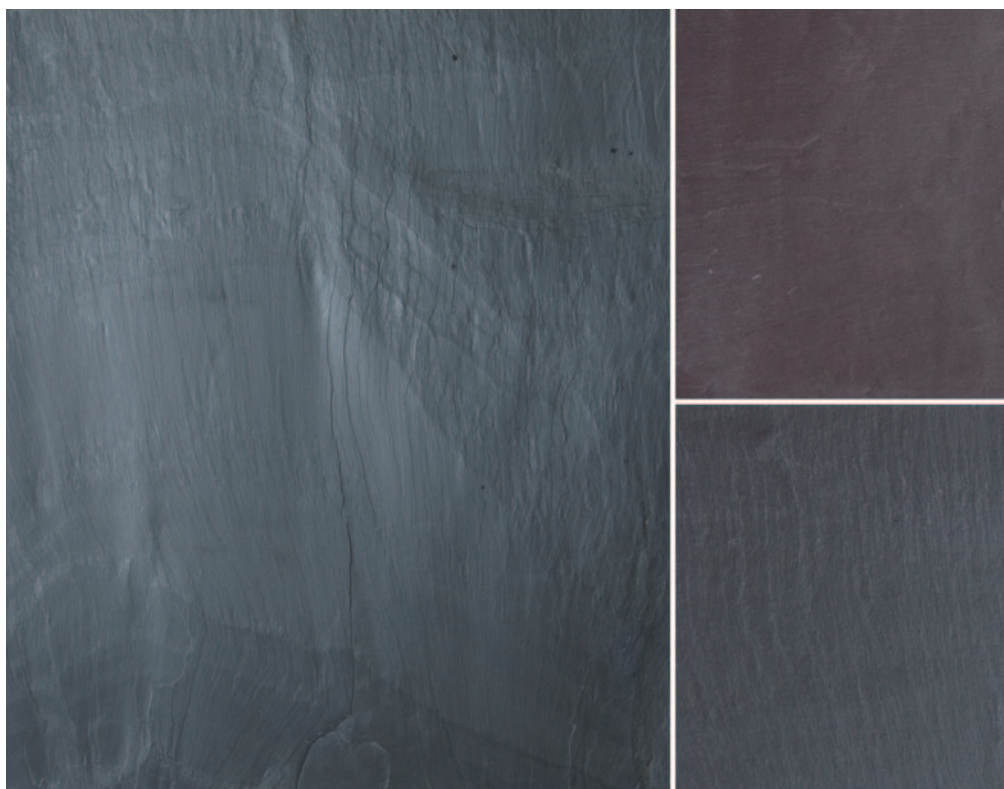


**Life**<sup>®</sup>

**77%\*** reduction in CO<sub>2</sub>

Renowned for its durability, unique aesthetics and clean, natural riven finish, Aggregate Industries' range of Welsh slate only comes from the finest source of this traditional material and is suitable for both modern and contemporary designs.

- Quarried and manufactured in North Wales
- Long lasting - hard wearing and very durable
- Strong - suitable for both pedestrian and trafficked areas
- High skid and slip resistance properties, even when wet
- Exceptionally low water absorption - resistant to staining
- Non-fading for the whole life of the product
- All products meet relevant BS/EN standards
- Paving and setts produced with sawn sides, with a natural split finish to top and bottom
- Also available with a flamed finish
- Full range of matching radial paving, kerbs, steps and other specials available.



\* Based on the BRE Green Guide to Specification (2008) ratings, 120kg embodied CO<sub>2</sub> for Chinese Granite Setts versus 27kg embodied CO<sub>2</sub> for UK sandstone.

### Welsh slate

#### flag paving product range

Nominal size (mm)	300 x random length	450 x random length	600 x random length	400 wide x 400 long	600 wide x 600 long	Other thicknesses and sizes available to order.
Nominal Thickness	50, 63, 75	50, 63 or 75	50, 63 or 75	50, 63 or 75	50, 63 or 75	
Palletised	Yes	Yes	Yes	Yes	Yes	

Finishes

Natural riven split top and bottom, sawn sides

#### setts product range

Nominal size (mm)	100 wide x 100 long	100 wide x 200 long	100 wide x random length	Other sizes and thicknesses available to order.
Nominal Thickness	50, 63 or 75	50, 63 or 75	50, 63 or 75	
Palletised	Yes	Yes	Yes	

Finishes

Natural riven split top and bottom, sawn sides

**NBSPlus**

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

# Charcon UK Natural Welsh slate flag paving and setts

Colour - Mix

Typical properties	
Density	2710kg/m <sup>3</sup>
Water absorption	0.10%
Compressive strength	-
Flexural strength	45.1Mpa
Abrasion resistance	-
Skid/slip resistance (dry)	60
Skid/slip resistance (wet)	55
Frost resistance	Yes
Tolerances	Sawn paving plan: $\leq 700\text{mm} = \pm 4\text{mm}$ , $\geq 700\text{mm} = \pm 5\text{mm}$ River/split paving thickness: $\leq 60\text{mm} = \pm 4\text{mm}$ , $> 60\text{mm} = \pm 5\text{mm}$

## Manufacturing standards

All products comply to the relevant European Standards BS EN 1341/1342/1343.

## Applications

Natural Welsh Slate is suitable for both pedestrian and trafficked areas, depending upon the thickness and the stone type used. Further guidance and advice on suitability of use is available from our technical department.

## Complementary products and specials

A full range of setts, kerbs, steps and radial paving are available. Special features, such as benches, seats and matching street furniture can be made to order.

## Other stones

Aggregate Industries can source other stones in a wide variety of shades and finishes to match or contrast local material colours and textures.

## 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:** This natural stone product is 100% recyclable, reducing the amount of material sent to landfill after use.

**Manufacturing location:** Produced and sourced in the UK under relevant environmental and social legislation.

**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 an 'Excellent' 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 aggregate and recycled content

Natural Welsh slate flag paving and setts are a naturally occurring slate product manufactured and sourced from within the UK.

## 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)

## Installation standard

Install in accordance with the relevant section of BS 7533. Aggregate Industries normally recommend that a fully rigid construction method is used for natural stone paving flags and setts. For specific guidance please call our technical helpline 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.**

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[www.aggregate.com](http://www.aggregate.com)

