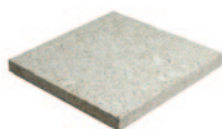


## Landscaping

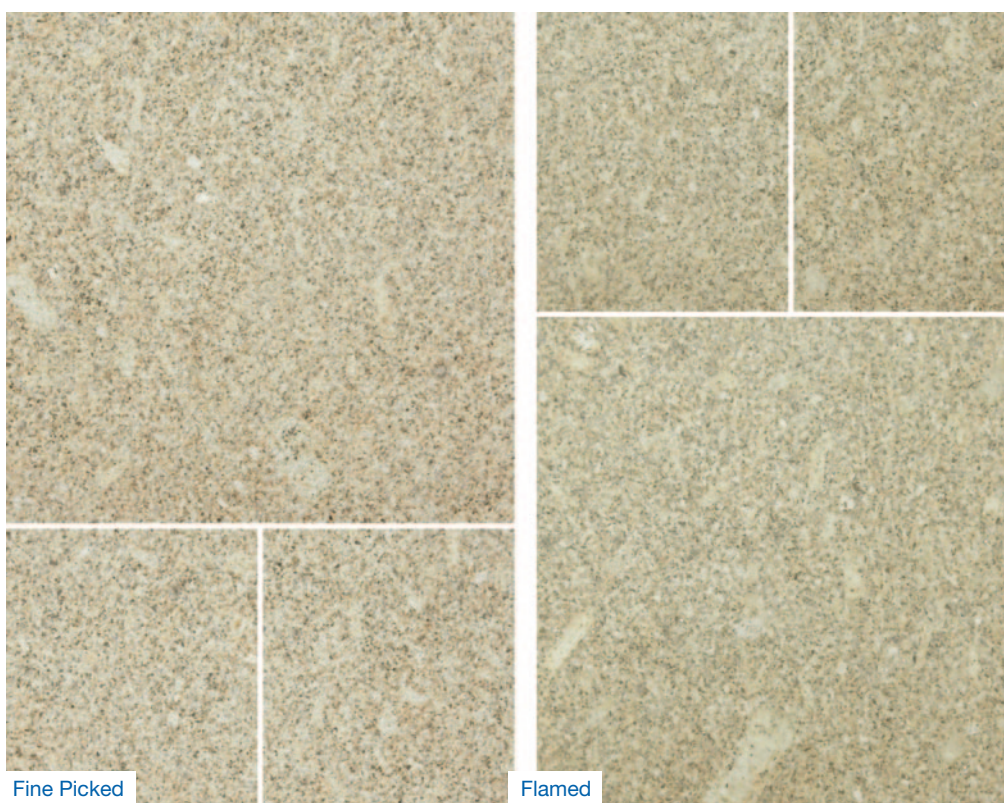
# Charcon European Natural Portuguese Granite flag paving and setts

Colour - G6050 Portuguese Yellow



Portuguese Granite paving and setts have been extensively and successfully used throughout the UK for decades, offering proven performance and aesthetics. With high strength and low water absorption, Portuguese Granite ensures long-term retention of appearance and aesthetics.

- Quarried and manufactured in Portugal
- Proven performance with high durability
- All products meet or exceed relevant BS/EN standards
- Excellent skid and slip resistance performances
- Paving available in flamed or fine picked finishes, with sawn sides
- Setts available in cropped, sawn, flamed and fine picked finishes
- Full range of matching radial paving, sawn kerbs, steps and other specials available
- Suitable for both pedestrian and trafficked areas.



### Portuguese Granite

#### flag paving product range

Nominal size (mm)	450 wide x random length	600 wide x random length	400 wide x 400 long	400 wide x 600 long
Nominal Thickness	50,63 or 75	50,63 or 75	50,63 or 75	50,63 or 75
Palletised	Yes	Yes	Yes	Yes
Finishes	Fine picked or Flamed	Fine picked or Flamed	Fine picked or Flamed	Fine picked or Flamed

Other sizes and thicknesses available to order.

#### setts product range

Nominal size (mm)	100 wide x 100 long	100 wide x 200 long	100 wide x 250/300 random length
Nominal Thickness	50 or 100	50, 100 or 150	150 or 200
Palletised	Yes	Yes	Yes
Finishes	Cropped/split	Cropped/split	Cropped/split

Silver Grey and Dark Grey normally held in stock. Other sizes and thicknesses available to order.

## NBS Plus

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

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Typical properties	
Density	2650kg/m <sup>3</sup>
Water absorption	0.3%
Compressive strength	140Mpa
Flexural strength	15.5Mpa
Abrasion resistance	20mm
Skid/slip resistance (dry)	64
Skid/slip resistance (wet)	-
Frost resistance	Yes
Tolerances	Paving plan: $\leq 700\text{mm} = \pm 4\text{mm}$ , $\geq 700\text{mm} = \pm 5\text{mm}$ 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 Portuguese Granite 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 Portugal under relevant environmental and social legislation.

**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.

## Key aggregate and recycled content

Natural Portuguese Granite flag paving and setts are a naturally occurring product manufactured and sourced from within Portugal.

## 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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