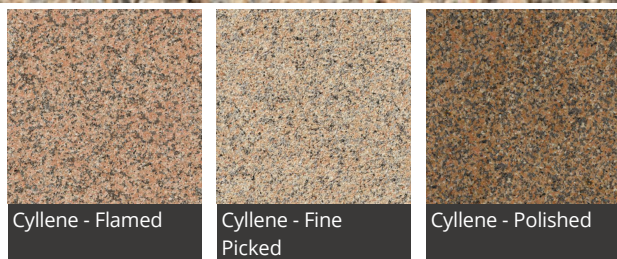


Cyllene Granite

Date Created: 26/07/19



*It should be noted that colour variations and markings are characteristic of Natural Stone. Inherent variations cannot be controlled nor the precise shade of stone guaranteed.

Granites are generally hard-wearing, strong and durable landscaping materials. Cyllene Granite is part of our wider granites range, and is a red stone available in 3 distinct finishes.

Cyllene flame textured granite is suitable for both pedestrian or vehicular trafficked areas. It is also available in fine picked and polished finishes for all product areas such as paving, setts, kerbs, tactile, steps, water management, street furniture or other bespoke specialised masonry items such as veneers for planters or furniture.

Produced to ISO9001 quality assurance standards, all Marshall's granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Download our brochure and you can view all Marshall's granite paving and sett options, as well as tactile paving, or you can order bespoke items. If you have a particular scheme in mind and would like to explore your options with our granite range, please get in touch.

DESCRIPTION

Appearance	Red with Black inclusions
Manufacturing Process	Sawn
Geological Type	Granite
Quarry of Origin	Xinjiang Province, China
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1341 : 2012, BS EN 1342 : 2012 & BS EN 1343 : 2012
Petrographical Description	Orange pink coarse grained Granite
CE Marking/DOP	https://www.marshalls.co.uk/dop



Cyllene Granite

Date Created: 26/07/19

PHYSICAL PROPERTIES

Work Dimensions (mm)	450 x 450 x 50 450 x 450 x 60 450 x 450 x 70 900 x 450 x 50 900 x 450 x 60 900 x 450 x 70 600 x 600 x 50 600 x 600 x 60 600 x 600 x 70 900 x 600 x 50 900 x 600 x 60 900 x 600 x 70 200 x 100 x 50 200 x 100 x 60 200 x 100 x 70 300 x 100 x 50 300 x 100 x 60 300 x 100 x 70 300 x 150 x 50 300 x 150 x 60 300 x 150 x 70 300 x 200 x 50 300 x 200 x 60 300 x 200 x 70
Tolerances on Work Dimensions (mm)	Paving Class 1 tolerances to all dimensions as standard Setts Class 2 tolerances to all dimensions as standard Kerbs Class 2 tolerances to all dimensions as standard Others by agreement
Abrasion Resistance (mm)	13mm (Mean value to EN 14157 : 2004 (Hev = 14.6mm))
Durability (Freeze-thaw)	13.9/15.2 MPa (Mean values to EN 12371 : 2006)
Material Density	2610 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.9% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	230 MPa (Mean value to EN 1926 : 2006 (Lev = 170 MPa))
Water Absorption (%)	0.31% (Mean value to EN 13755 : 2008 (Hev = 0.4%))
Transverse/FlexuralSplit/Breaking	16.1 MPa (Mean value to EN 12372 : 2006 (Lev = 12.14 MPa))

TEXTURE SPECIFIC PROPERTIES

MANUFACTURING

Materials Control	CE Marked to BS EN 1341 Paving, 1342 Setts, 1343 Kerbs
-------------------	--

SUSTAINABILITY

ERI Score	Our Score: 1 Cluster Score: 0.7
-----------	------------------------------------

Carbon Footprint	
Cyllene Granite Paving 300 x RL x 50	96 kg CO2 m ²
Cyllene Granite Paving 300 x RL x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 300 x RL x 75	134.4 kg CO2 m ²
Cyllene Granite Paving 450 x 450 x 50	96 kg CO2 m ²
Cyllene Granite Paving 450 x 450 x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 450 x 450 x 75	134.4 kg CO2 m ²
Cyllene Granite Paving 450 x 900 x 50	96 kg CO2 m ²
Cyllene Granite Paving 450 x 900 x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 450 x 900 x 75	134.4 kg CO2 m ²
Cyllene Granite Paving 450 x RL x 50	96 kg CO2 m ²
Cyllene Granite Paving 450 x RL x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 450 x RL x 75	134.4 kg CO2 m ²
Cyllene Granite Paving 600 x 600 x 50	96 kg CO2 m ²
Cyllene Granite Paving 600 x 600 x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 600 x 600 x 75	134.4 kg CO2 m ²
Cyllene Granite Paving 600 x 900 x 50	96 kg CO2 m ²
Cyllene Granite Paving 600 x 900 x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 600 x 900 x 75	134.4 kg CO2 m ²

Cyllene Granite

Date Created: 26/07/19

	Flamed	Fine Picked	Polished
Light Reflectance Value (LRV)	28.14	34.39	21.89
Surface Roughness (Rz-µm)	35.9	>75	5
Slip Resistance (BS 14231) (Dry)	95	93	70
Slip Resistance (BS 14231) (Wet)	48	74	12

SUSTAINABILITY

Cyllene Granite Paving 600 x RL x 50	96 kg CO2 m ²
Cyllene Granite Paving 600 x RL x 63	115.2 kg CO2 m ²
Cyllene Granite Paving 600 x RL x 75	134.4 kg CO2 m ²
Cyllene Granite Setts 200 x 100 x 50	96 kg CO2 m ²
Cyllene Granite Setts 200 x 100 x 63	115.2 kg CO2 m ²
Cyllene Granite Setts 200 x 100 x 75	134.4 kg CO2 m ²
Cyllene Granite Setts 300 x 100 x 50	96 kg CO2 m ²
Cyllene Granite Setts 300 x 100 x 63	115.2 kg CO2 m ²
Cyllene Granite Setts 300 x 100 x 75	134.4 kg CO2 m ²
Cyllene Granite Setts 300 x 150 x 50	96 kg CO2 m ²
Cyllene Granite Setts 300 x 150 x 63	115.2 kg CO2 m ²
Cyllene Granite Setts 300 x 150 x 75	134.4 kg CO2 m ²
Cyllene Granite Setts 300 x 200 x 50	96 kg CO2 m ²
Cyllene Granite Setts 300 x 200 x 63	115.2 kg CO2 m ²
Cyllene Granite Setts 300 x 200 x 75	134.4 kg CO2 m ²

FURTHER INFORMATION

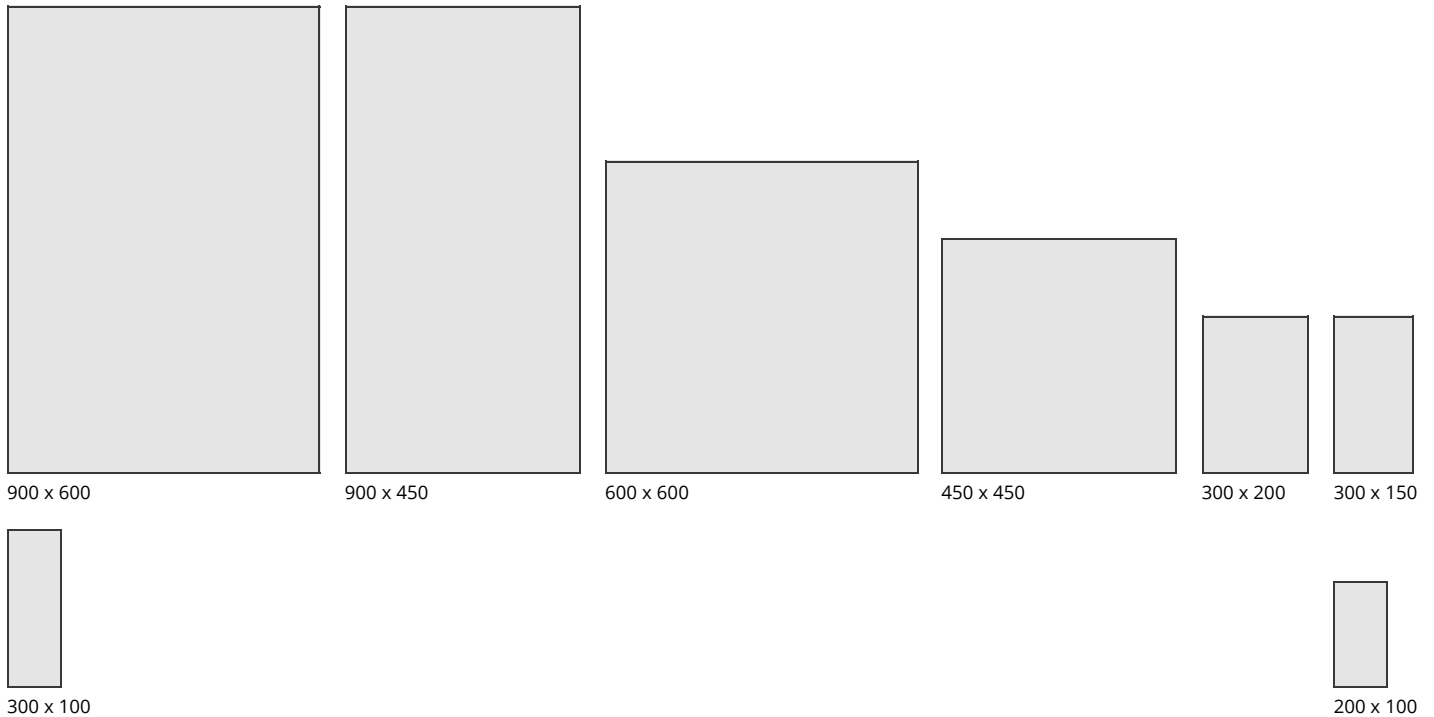
Contact Us	For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233
------------	---



Cyllene Granite

Date Created: 26/07/19

Suggested Plan Sizes



The plan sizes shown above illustrate popular sizes of our Natural Stone. Bespoke sizes are available upon request.