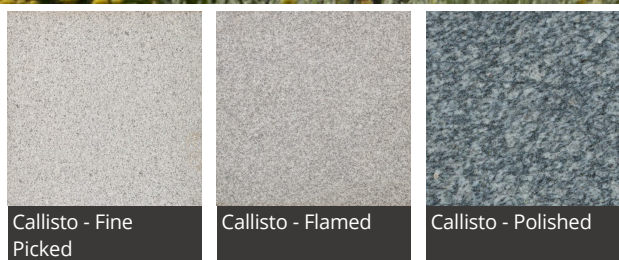


Callisto Granite

Date Created: 07/02/19



*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.

A silver stone with grey flecks, Marshall's Callisto Granite can be used across a variety of applications.

With options including bespoke street furniture and planter veneers, as well as kerbs, steps, edgings, water management solutions, paving and setts, it provides the hard-wearing yet attractive quality that granite is known for.

Callisto meets ISO9001 quality assurance standards and comes in 3 finishes. Both the fine picked and flamed finishes are ideal for use in vehicular trafficked and pedestrian areas thanks to their non-slip, non-skid qualities, whereas the polished finish is better suited to street furniture, cladding or internal projects.

Whether a small or large-scale project, Callisto Granite has the flexibility to be used entirely on its own or mixed with other colours from the extensive Marshall's range.

DESCRIPTION

Appearance	Grey to pale grey with very fine pink and white hues
Manufacturing Process	Sawn
Geological Type	Granite
Quarry of Origin	Fujian 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	Grey to pale grey coarse grained fresh Granite
CE Marking/DOP	https://www.marshalls.co.uk/dop

Callisto Granite

Date Created: 07/02/19

PHYSICAL PROPERTIES

Work Dimensions (mm)	900 x 600 x 63 300 x 150 x 60 900 x 450 x 70 200 x 100 x 63 450 x 450 x 60 600 x 600 x 70 300 x 100 x 63 900 x 450 x 60 900 x 600 x 70 300 x 150 x 63 600 x 600 x 60 200 x 100 x 70 300 x 200 x 63 300 x 100 x 70 450 x 450 x 63 900 x 600 x 60 300 x 150 x 70 900 x 450 x 63 300 x 100 x 60 300 x 200 x 70 600 x 600 x 63 200 x 100 x 60 450 x 450 x 70 300 x 200 x 60
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)	16mm (Mean value to EN 14157 : 2004 (Hev = 17mm))
Durability (Freeze-thaw)	12.41/11.8 MPa (Mean values to EN 12371 : 2006)
Material Density	2630 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	1.2% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	145 MPa (Mean value to EN 1926 : 2006 (Lev = 104 MPa))
Water Absorption (%)	0.44% (Mean value to EN 13755 : 2008 (Hev = 0.5%))
Transverse/FlexuralSplit/Breaking	14.3 MPa (Mean value to EN 12372 : 2006 (Lev = 9.1 MPa))

TEXTURE SPECIFIC PROPERTIES

MANUFACTURING

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

SUSTAINABILITY

ERI Score	Our Score: 1.6 Cluster Score: 0.9
Carbon Footprint (KgCO ₂ each)	
Callisto Granite Paving 300 x RL x 50	96 kg CO ₂ m ²
Callisto Granite Paving 300 x RL x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 300 x RL x 75	134.4 kg CO ₂ m ²
Callisto Granite Paving 450 x 450 x 50	96 kg CO ₂ m ²
Callisto Granite Paving 450 x 450 x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 450 x 450 x 75	134.4 kg CO ₂ m ²
Callisto Granite Paving 450 x 900 x 50	96 kg CO ₂ m ²
Callisto Granite Paving 450 x 900 x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 450 x 900 x 75	134.4 kg CO ₂ m ²
Callisto Granite Paving 450 x RL x 50	96 kg CO ₂ m ²
Callisto Granite Paving 450 x RL x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 450 x RL x 75	134.4 kg CO ₂ m ²
Callisto Granite Paving 600 x 600 x 50	96 kg CO ₂ m ²
Callisto Granite Paving 600 x 600 x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 600 x 600 x 75	134.4 kg CO ₂ m ²
Callisto Granite Paving 600 x 900 x 50	96 kg CO ₂ m ²
Callisto Granite Paving 600 x 900 x 63	115.2 kg CO ₂ m ²
Callisto Granite Paving 600 x 900 x 75	134.4 kg CO ₂ m ²

Callisto Granite

Date Created: 07/02/19

	Fine Picked	Flamed	Polished
Light Reflectance Value (LRV)	45.57	39.18	28.75
Surface Roughness (Rz-µm)	>75	>75	2.68
Slip Resistance (BS 14231) (Dry)	89	84	64
Slip Resistance (BS 14231) (Wet)	57	60	24

SUSTAINABILITY

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

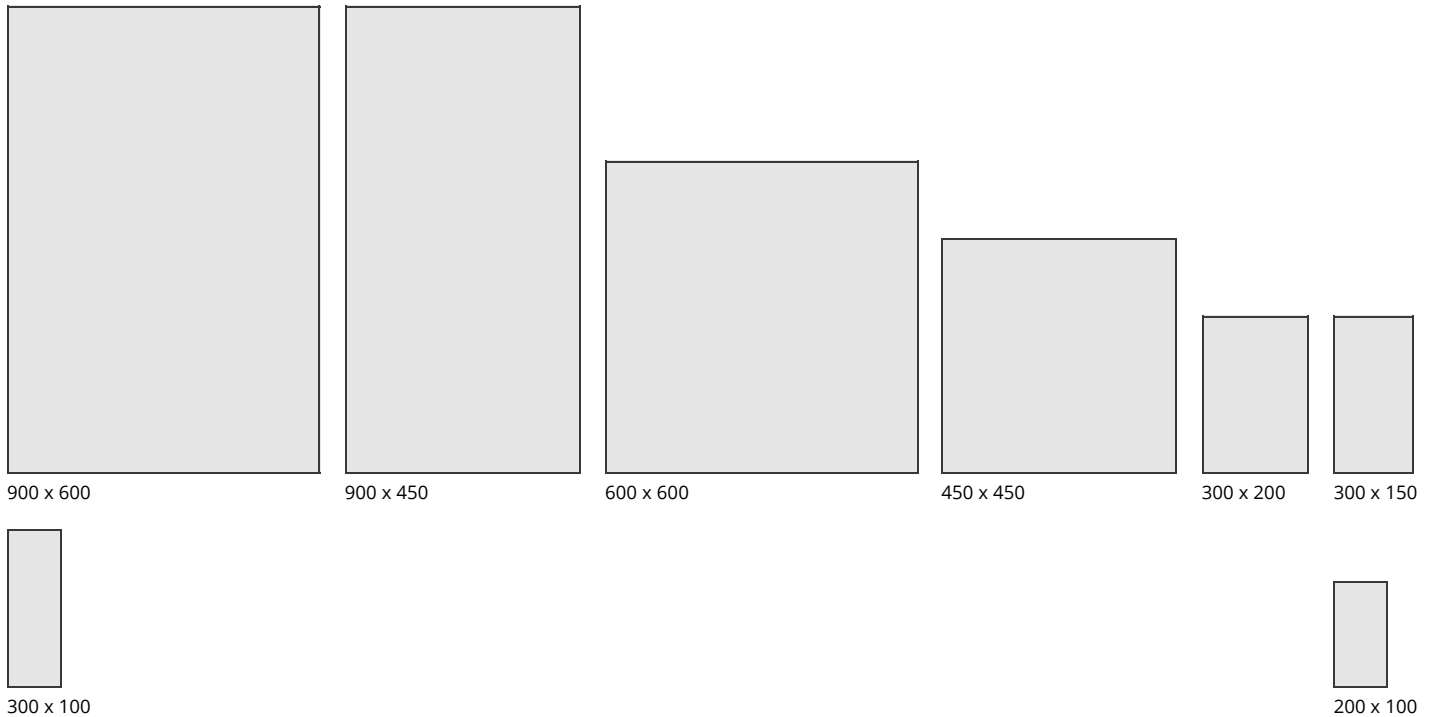
FURTHER INFORMATION

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
------------	---

Callisto Granite

Date Created: 07/02/19

Suggested Plan Sizes



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