



Carina Granite



*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.

Marshall's Carina Granite is a hard-wearing, strong and durable granite suitable for both pedestrian and vehicular trafficked areas. Predominantly light to mid-grey, Carina Granite is available in 3 finish options – blasted, flamed and polished – to match different applications and their needs, whether they call for a smooth aesthetic or superior non-slip properties. It is available across all product areas including Paving, Setts, Kerbs, Tactile, Steps, Water Management, Bespoke Street furniture, Masonry & Specials – allowing for the creation of unified schemes. All Marshall's granites are fully tested to the appropriate standards in the UK and where relevant UKCA marked in accordance with the latest legislation.

DESCRIPTION	
Appearance	Light to medium grey granite
Manufacturing Process	Sawn
Geological Type	Granite
Quarry Location	Mangaulde, Portugal
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	Light to medium grey, fine to medium grained Granite
UKCA Marking/DOP	www.marshalls.co.uk/declarations



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PHYSICAL PROPERTIES

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)	18.32mm (Mean value to EN 14157 : 2004 (Hev = 19.17mm))
Durability (Freeze-thaw)	24.7/25.8 MPa (Mean values to EN 12371 : 2006)
Material Density	2751 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.5% (Mean value to EN 1936 : 2006)
Slip Resistance (Dry)	Flamed 89 Polished 54 Blasted 87
Slip Resistance (Wet)	Flamed 76 Polished 23 Blasted 77
Transverse/Flexural Split/Breaking	22.22 MPa (Mean value to EN 12372 : 2006 (Lev = 21.27 MPa))
LRV Range	Flamed 32.74 Polished 16.74 Blasted 36.55
Surface Roughness (Rz - µm)	Flamed 47 Polished 5.86 Blasted 64.38
Compressive Strength (Mpa)	96.96 MPa (Mean value to EN 1926 : 2006 (Lev = 85.01 MPa))
Water Absorption (%)	0.2% (Mean value to EN 13755 : 2008 (Hev = 0.3%))

SUPPLY

Packaging	Crated
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FURTHER INFORMATION

Cleaning & Maintenance	Available on request
Contact Us	For technical information on the design, specification and construction when utilising the product, contact Group Technical Services on 0370 411 2233

