

## Altair Granite



Marshall's Altair Granite is a hard-wearing, strong and durable granite suitable 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.

This Black Indian granite has a subtle sparkle, giving it a striking look and is available in Flamed, Clear Blast, Blasted or Polished Finishes. 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	Black Granite
Manufacturing Process	Sawn
Geological Type	Granite
Quarry Location	Rajasthan, India
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 dark grey, fine grained granite
UKCA Marking/DOP	<a href="http://www.marshalls.co.uk/declarations">www.marshalls.co.uk/declarations</a>

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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, Others by agreement
Abrasion Resistance (mm)	15.5mm (Mean value to EN 14157 : 2004 (Hev = 16mm))
Durability (Freeze-thaw)	25.7/24.9 MPa (Mean values to EN 12371 : 2006)
Material Density	2780 kg/m <sup>3</sup> (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.4% (Mean value to EN 1936 : 2006)
Slip Resistance (Dry)	Blasted 93   Polished 78   Clear Blast 65   Flamed 85
Slip Resistance (Wet)	Blasted 80   Polished 63   Clear Blast 36   Flamed 68
Transverse/Flexural Split/Breaking	13.6 MPa (Mean value to EN 12372 : 2022 (Lev = 12.1 MPa))
LRV Range	Blasted 21.85   Polished 6.49   Clear Blast 14.51   Flamed 15.28
Surface Roughness (Rz - µm)	Blasted
Compressive Strength (Mpa)	163 MPa (Mean value to EN 1926 : 2006 (Lev = 86 MPa))
Water Absorption (%)	0.1% (Mean value to EN 13755 : 2008 (Hev = 0.1%))

### 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