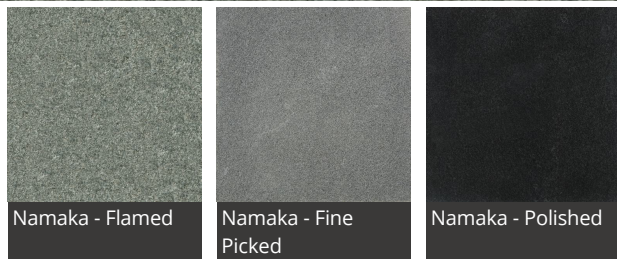


Namaka Granite

Date Created: 26/07/19



Namaka - Flamed

Namaka - Fine Picked

Namaka - Polished

*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 strong and durable landscaping materials, which can be supplied in a wide range of landscape products to provide a modern aesthetic. Marshalls' Namaka Granite is a strong, hard-wearing green grey stone suitable for both pedestrian and vehicular trafficked areas.

Available in flamed, fine picked and polished finishes it can be supplied as paving, setts, kerbs, tactile, steps, water management, copings, street furniture and other bespoke specialised masonry items including veneers for planters or furniture.

Namaka Granite is fully tested to the appropriate standards in the UK, CE marked in accordance with the latest legislation and produced to ISO9001 quality assurance standards.

DESCRIPTION

Appearance	Grey green medium to slightly coarse grained
Manufacturing Process	Sawn
Geological Type	Monzonite
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 green medium to slightly coarse grained dolerite
CE Marking/DOP	https://www.marshalls.co.uk/dop



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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)	15mm (Mean value to EN 14157 : 2004 (Hev = 18.7 mm))
Durability (Freeze-thaw)	28.3/27.1 MPa (Mean values to EN 12371 : 2006)
Material Density	2840 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.10% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	277 MPa (Mean value to EN 1926 : 2006 (Lev = 231 MPa))
Water Absorption (%)	0.10% (Mean value to EN 13755 : 2008 (Hev = 0.10%))
Transverse/FlexuralSplit/Breaking	28.3 MPa (Mean value to EN 12372 : 2006 (Lev = 19.4 MPa))

TEXTURE SPECIFIC PROPERTIES

MANUFACTURING

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

ERI Score	Our Score: 1.9 Cluster Score: 1.3
Carbon Footprint	
Namaka Granite Paving 300 x RL x 50	96 kg CO2 m ²
Namaka Granite Paving 300 x RL x 63	115.2 kg CO2 m ²
Namaka Granite Paving 300 x RL x 75	134.4 kg CO2 m ²
Namaka Granite Paving 450 x 450 x 50	96 kg CO2 m ²
Namaka Granite Paving 450 x 450 x 63	115.2 kg CO2 m ²
Namaka Granite Paving 450 x 450 x 75	134.4 kg CO2 m ²
Namaka Granite Paving 450 x 900 x 50	96 kg CO2 m ²
Namaka Granite Paving 450 x 900 x 63	115.2 kg CO2 m ²
Namaka Granite Paving 450 x 900 x 75	134.4 kg CO2 m ²
Namaka Granite Paving 450 x RL x 50	96 kg CO2 m ²
Namaka Granite Paving 450 x RL x 63	115.2 kg CO2 m ²
Namaka Granite Paving 450 x RL x 75	134.4 kg CO2 m ²
Namaka Granite Paving 600 x 600 x 50	96 kg CO2 m ²
Namaka Granite Paving 600 x 600 x 63	115.2 kg CO2 m ²
Namaka Granite Paving 600 x 600 x 75	134.4 kg CO2 m ²
Namaka Granite Paving 600 x 900 x 50	96 kg CO2 m ²
Namaka Granite Paving 600 x 900 x 63	115.2 kg CO2 m ²
Namaka Granite Paving 600 x 900 x 75	134.4 kg CO2 m ²



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	Flamed	Fine Picked	Polished
Light Reflectance Value (LRV)	21.05	23.39	11.76
Surface Roughness (Rz-µm)	50	>75	1.94
Slip Resistance (BS 14231) (Dry)	92	95	65
Slip Resistance (BS 14231) (Wet)	70	75	25

SUSTAINABILITY

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

FURTHER INFORMATION

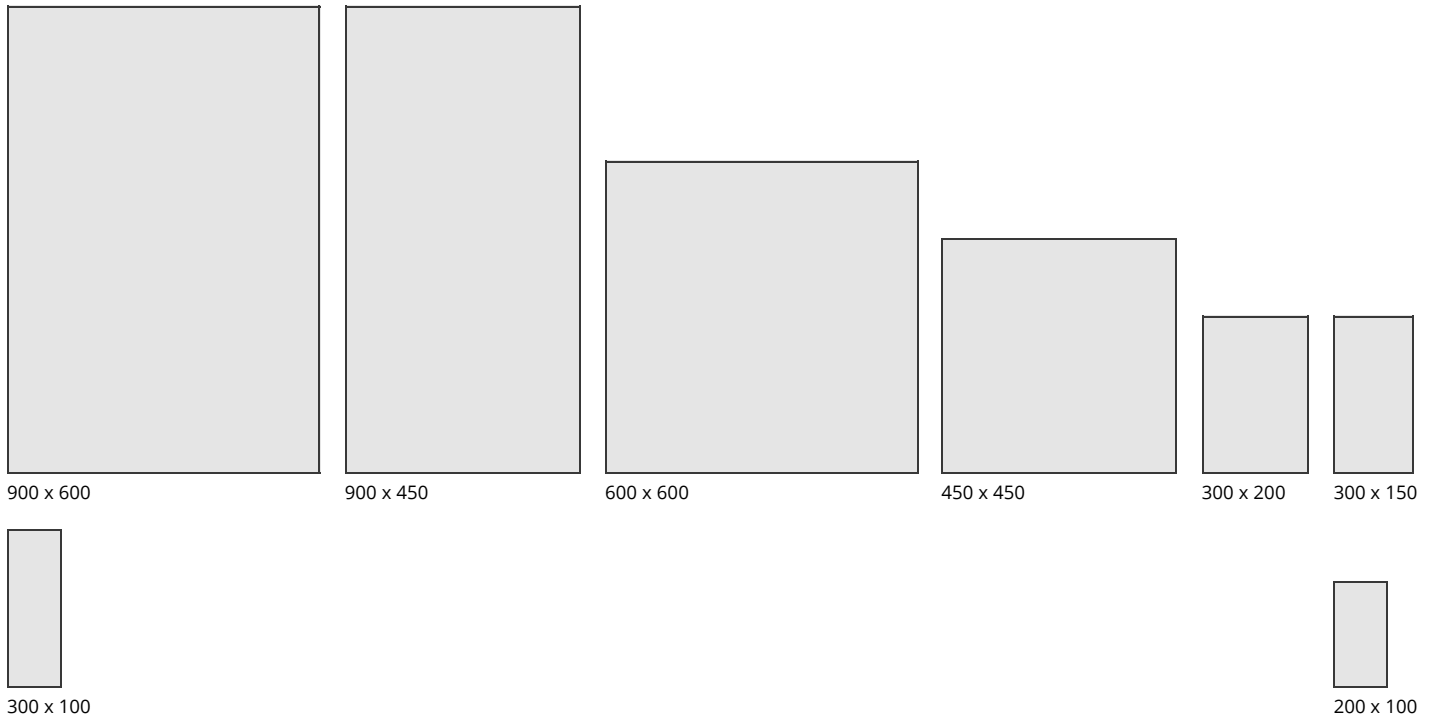
Contact Us For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233



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Suggested Plan Sizes



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

