Marshalls
Creating Better Spaces

Landscape House, Premier Way,
Lowfields Business Park,
Elland HX5 9HT
Tel: 03704 11 22 33
https://www.marshalls.co.uk/commercial

T: 01422 312000
F: 01422 312943
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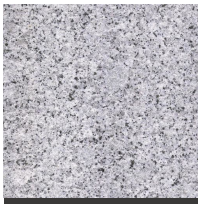
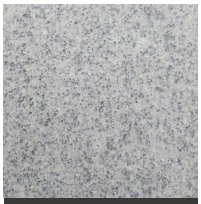
Arche Granite

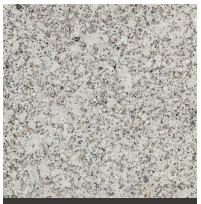
Date Created: 26/07/19



Arche - Blasted



Arche Granite - Flamed



Arche - Honed

*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.

Marshalls' Arche Granite is a hard-wearing, strong and durable granite suitable for both pedestrian and vehicular trafficked areas.

Predominantly light to mid-grey, Arche 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.

Arche Granite, like all Marshalls Granites, is produced to ISO9001 quality assurance standards and fully tested to the appropriate standards in the UK, as well as being CE marked in accordance with the latest legislation.

DESCRIPTION	
Appearance	Grey white background with black inclusions
Manufacturing Process	Sawn
Geological Type	Granite
Quarry of Origin	Villa Real, 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	Pale grey to white with irregular black grain coarse to very coarse grained Granite
CE Marking/DOP	https://www.marshalls.co.uk/dop

Ethical Trading Initiative Member Respect for workers worldwide
BES 6001 Responsible Sourcing
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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)	17mm (Mean value to EN 14157 : 2004 (Hev = 18.5mm))
Durability (Freeze-thaw)	17.2/16.5 MPa (Mean values to EN 12371 : 2006)
Material Density	2627 kg/m³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.8% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	198 MPa (Mean value to EN 1926 : 2006 (Lev = 139 MPa))
Water Absorption (%)	0.27% (Mean value to EN 13755 : 2008 (Hev =0.32%)
Transverse/FlexuralSplit/Breaking	14.5 MPa (Mean value to EN 12372 : 2006 (Lev = 11.7 MPa))

TEXTURE SPECIFIC PROPERTIES

	Blasted	Flamed	Honed
Light Reflectance Value (LRV)	38.38	--	--
Surface Roughness (Rz-µm)	47	52	15

MANUFACTURING

Materials Control	CE Marked to BS EN 1343 Kerbs

SUSTAINABILITY

ERI Score	Our Score: 4.2 Cluster Score: 3.6
Carbon Footprint	
Arche Granite Paving 300 x RL x 50	81.5 kg CO2 m²
Arche Granite Paving 300 x RL x 60	97.8 kg CO2 m²
Arche Granite Paving 300 x RL x 70	114.1 kg CO2 m²
Arche Granite Paving 450 x 450 x 50	81.5 kg CO2 m²
Arche Granite Paving 450 x 450 x 60	97.8 kg CO2 m²
Arche Granite Paving 450 x 450 x 70	114.1 kg CO2 m²
Arche Granite Paving 450 x 900 x 50	81.5 kg CO2 m²
Arche Granite Paving 450 x 900 x 60	97.8 kg CO2 m²
Arche Granite Paving 450 x 900 x 70	114.1 kg CO2 m²
Arche Granite Paving 450 x RL x 50	81.5 kg CO2 m²
Arche Granite Paving 450 x RL x 60	97.8 kg CO2 m²
Arche Granite Paving 450 x RL x 70	114.1 kg CO2 m²
Arche Granite Paving 600 x 600 x 50	81.5 kg CO2 m²
Arche Granite Paving 600 x 600 x 60	97.8 kg CO2 m²
Arche Granite Paving 600 x 600 x 70	114.1 kg CO2 m²
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TEXTURE SPECIFIC PROPERTIES

Slip Resistance (BS 14231) (Dry)	89	80	72
Slip Resistance (BS 14231) (Wet)	77	73	53

SUSTAINABILITY

Arche Granite Setts 200 x 100 x 50	81.5 kg CO2 m²
Arche Granite Setts 200 x 100 x 60	97.8 kg CO2 m²
Arche Granite Setts 200 x 100 x 70	114.1 kg CO2 m²
Arche Granite Setts 300 x 100 x 50	81.5 kg CO2 m²
Arche Granite Setts 300 x 100 x 60	97.8 kg CO2 m²
Arche Granite Setts 300 x 100 x 70	114.1 kg CO2 m²
Arche Granite Setts 300 x 150 x 50	81.5 kg CO2 m²
Arche Granite Setts 300 x 150 x 60	97.8 kg CO2 m²
Arche Granite Setts 300 x 150 x 70	114.1 kg CO2 m²
Arche Granite Setts 300 x 200 x 50	81.5 kg CO2 m²
Arche Granite Setts 300 x 200 x 60	97.8 kg CO2 m²
Arche Granite Setts 300 x 200 x 70	114.1 kg CO2 m²

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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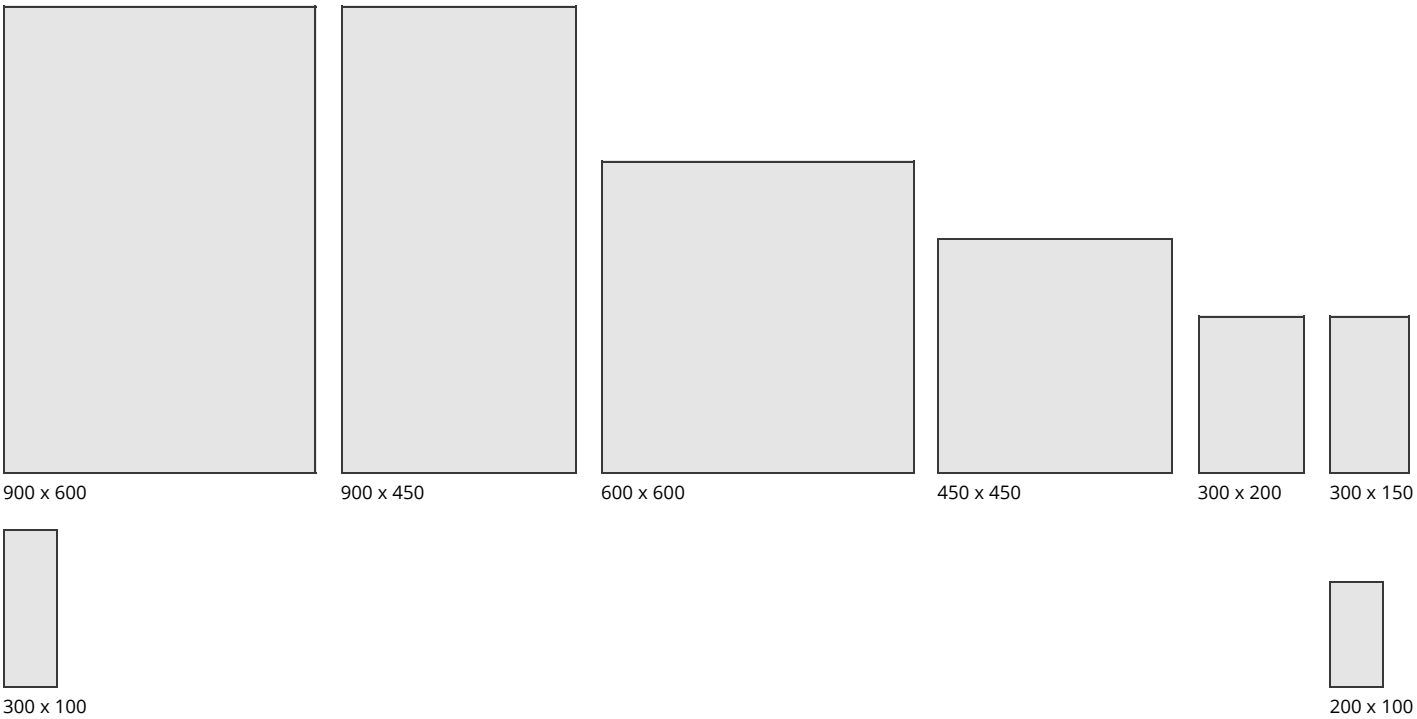
Suggested Plan Sizes



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

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