

## Arche Granite

Date Created: 09/12/21



\*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 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.

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	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
UKCA Marking/DOP	<a href="https://www.marshalls.co.uk/declarations">https://www.marshalls.co.uk/declarations</a>

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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

Abrasion Resistance (mm)	17mm (Mean value to EN 1341 : 2012 (Hev = 17.5mm))
Durability (Freeze-thaw)	17.2/16.5 MPa (Mean values to EN 12371 : 2006)
Material Density	2613 kg/m <sup>3</sup> (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.8% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	104 MPa (Mean value to EN 1926 : 2006 (Lev = 74 MPa))
Water Absorption (%)	0.31% (Mean value to EN 13755 : 2002 (Hev = 0.34%))
Transverse/FlexuralSplit/Breaking	10.49 MPa (Mean value to EN 12372 : 2006 (Lev = 9.51 MPa))

## TEXTURE SPECIFIC PROPERTIES

	Flamed	Honed	Blasted
Light Reflectance Value (LRV)	43.69	40.51	38.38
Surface Roughness (Rz-µm)	52.3	15.49	47.57
Slip Resistance (BS 14231) (Dry)	81	76	86
Slip Resistance (BS 14231) (Wet)	65	55	68

## MANUFACTURING

Materials Control	UKCA Marked to BS EN 1343 Kerbs
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## SUSTAINABILITY

ERI Score	Our Score: 4.2 Cluster Score: 3.6
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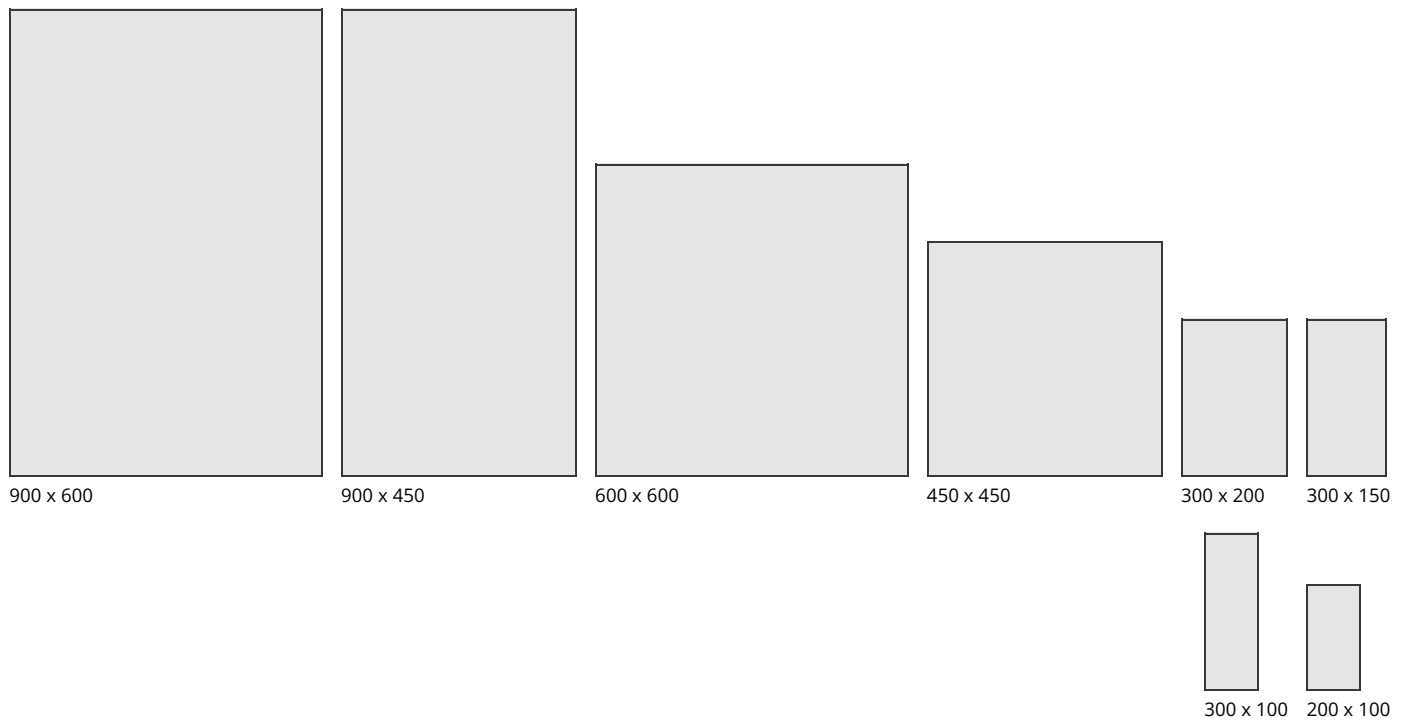
## FURTHER INFORMATION

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

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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.