

# Imperial Red Porphyry

Date Created: 19/01/22



Imperial Red  
Porphyry Flamed

Imperial Red  
Porphyry Fine  
Picked

Imperial Red  
Porphyry Polished

A strong red stone, Imperial Red Porphyry is suitable for both pedestrian or vehicular trafficked areas and available in flame textured, fine picked and polished finishes.

It is available for all product areas such as paving, setts, kerbs, tactile, steps, water management, street furniture or other bespoke specialised masonry items such as cladding or planters.

Once used to pave Roman roads throughout Europe, porphyry not only adds a striking aesthetic quality to a range of applications but is renowned for its hard-wearing qualities.

All Marshalls porphyrys are fully tested to the appropriate standards in the UK and where relevant are UKCA marked in accordance with the latest legislation.

DESCRIPTION	
Appearance	Medium to dark red porphyry
Manufacturing Process	Sawn
Geological Type	Porphyry
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	Dark red, compacted porphyritic stone
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 900 x 50
	600 x 600 x 50
	600 x 900 x 50
	200 x 100 x 50
	300 x 100 x 50
	300 x 150 x 50
	300 x 200 x 50
	450 x 450 x 60
	450 x 900 x 60
	600 x 600 x 60
	600 x 900 x 60
	200 x 100 x 60
	300 x 100 x 60
	300 x 150 x 60
	300 x 200 x 60
	450 x 450 x 70
	450 x 900 x 70
	600 x 600 x 70
	600 x 900 x 70
200 x 100 x 70	
300 x 100 x 70	
300 x 150 x 70	
300 x 200 x 70	

Abrasion Resistance (mm) 16mm (Mean value to EN 1341 : 2012 (Hev = 17.5mm))

Durability (Freeze-thaw) 17.1/16.7 MPa (Mean values to EN 12371 : 2006)

Material Density 2595 kg/m<sup>3</sup> (Mean value to EN 1936 : 2006)

Compressive Strength (MPa) 96 MPa (Mean value to EN 1926 : 2006 (Lev = 83 MPa))

Water Absorption (%) 0.29% (Mean value to EN 13755 : 2002 (Hev = 0.31%))

Transverse/FlexuralSplit/Breaking 15.84 MPa (Mean value to EN 12372 : 2006 (Lev = 13.53 MPa))

## TEXTURE SPECIFIC PROPERTIES

	Fine Picked	Flamed	Polished
Light Reflectance Value (LRV)	25.88	17.81	14.35
Surface Roughness (Rz-µm)	42.97	42.32	3.20
Slip Resistance (BS 14231) (Dry)	74	93	65
Slip Resistance (BS 14231) (Wet)	70	73	20

## MANUFACTURING

Materials Control UKCA Marked to BS EN 1343 Kerbs

## SUSTAINABILITY

ERI Score Our Score: 1.9  
Cluster Score: 1.2

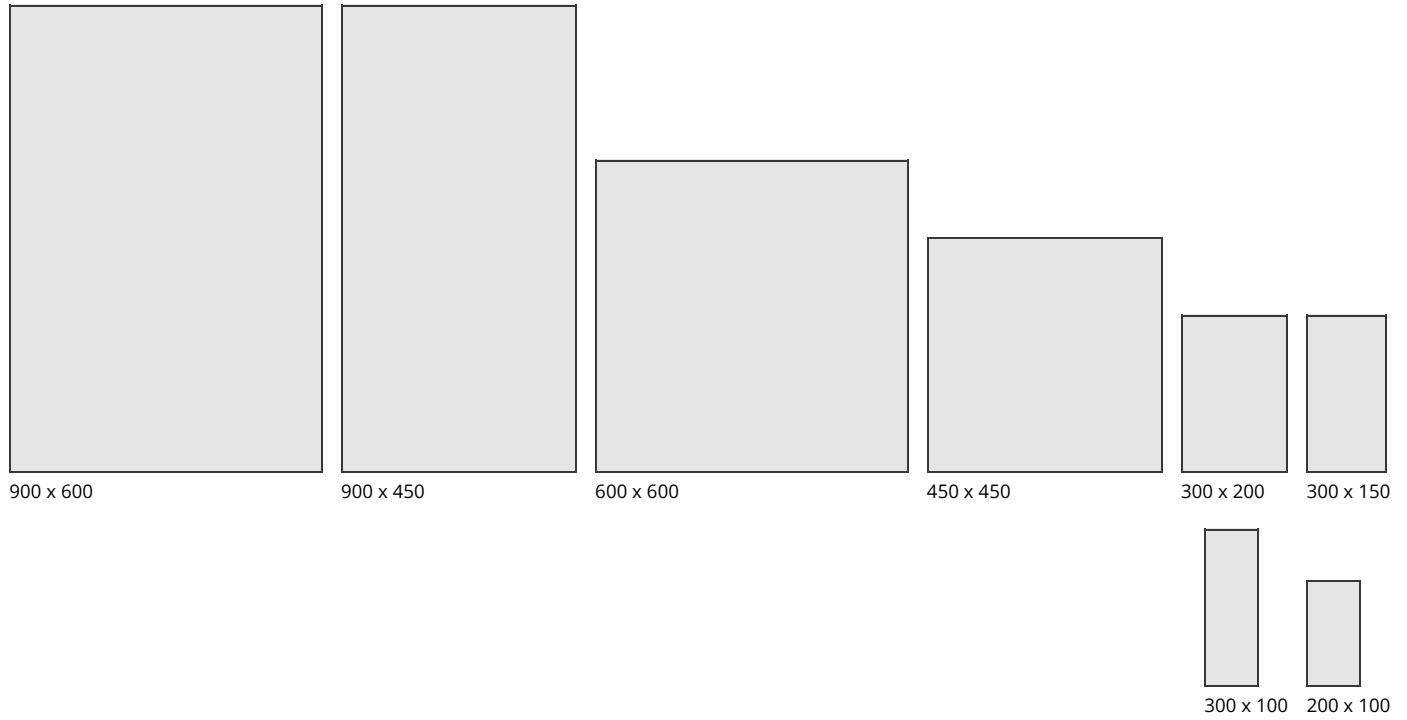
## FURTHER INFORMATION

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.

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