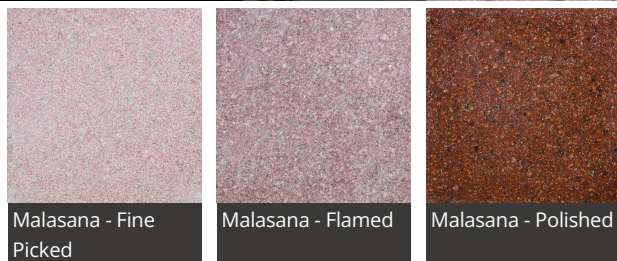


# Malasana Granite

Date Created: 19/01/22



\*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.

Part of Marshall's extensive range of granite products, Malasana is a natural granite that has a red base with small grey and greenish grains. Granite is traditionally a hard-wearing, strong and durable landscaping material.

Marshall's Malasana Granite is available in three finishes - flamed, polished and fine picked. As well as offering differing aesthetic values, each is suited to different applications. Its inherent strength means Malasana is suitable for both pedestrian and vehicular trafficked areas.

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. Malasana is also available as kerbs and setts, street furniture, tactile elements, water management and bespoke items.

DESCRIPTION	
Appearance	Red with Black & white inclusions
Manufacturing Process	Sawn
Geological Type	Granite / Porphyry
Quarry of Origin	Binh Dinh Province, Vietnam
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	Red pink with grey/greenish grains coarse grained Granite/Porphyry
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)** 16.5mm (Mean value to EN 14157 : 2004 (Hev = 17.5mm))

**Durability (Freeze-thaw)** 20.0/16.4 MPa (Mean values to EN 12371 : 2006)

**Material Density** 2603 kg/m<sup>3</sup> (Mean value to EN 1936 : 2006)

**Open Porosity (%)** 1.06% (Mean value to EN 1936 : 2006)

**Compressive Strength (MPa)** 115 MPa (Mean value to EN 1926 : 2006 (Lev = 99 MPa))

**Water Absorption (%)** 0.22% (Mean value to EN 13755 : 2002 (Hev = 0.26%))

**Transverse/FlexuralSplit/Breaking** 13.8 MPa (Mean value to EN 12372 : 2006 (Lev = 12.15 MPa))

## TEXTURE SPECIFIC PROPERTIES

	Flamed	Polished	Fine Picked
<b>Light Reflectance Value (LRV)</b>	19.95	15.15	30.33
<b>Surface Roughness (Rz-µm)</b>	34	3	>75
<b>Slip Resistance (BS 14231) (Dry)</b>	89	68	96
<b>Slip Resistance (BS 14231) (Wet)</b>	66	18	85

## MANUFACTURING

**Materials Control** UKCA Marked to BS EN 1341 Paving

## SUSTAINABILITY

**ERI Score** Our Score: 3.8  
Cluster Score: 2.1

## FURTHER INFORMATION

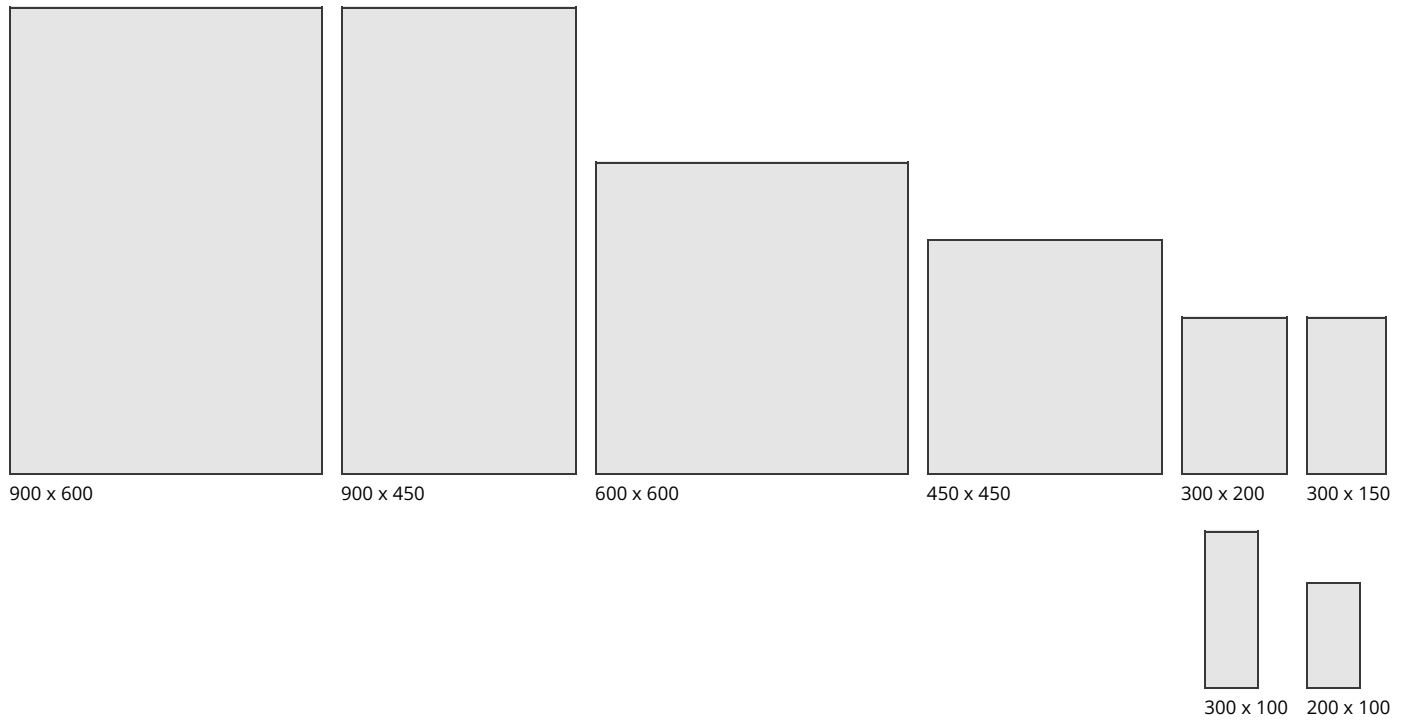
**Cleaning & Maintenance** Available on request

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

# Malasana Granite

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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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