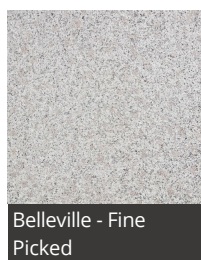


Belleville Granite

Date Created: 26/07/19



Belleville - Fine Picked



Belleville - Flamed



Belleville - 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.

Belleville Granite is a pink or violet stone available in polished, fine picked and flamed finish options. Incorporating the traditional qualities of granite, Belleville is a strong, hard-wearing stone suitable for pedestrian and vehicular trafficked areas.

Granite's versatility means it is available across a comprehensive range of product areas including paving, setts, kerbs, tactile paving, steps, water management, bespoke street furniture, masonry and specials.

Belleville Granite is fully tested to all applicable standards, including ISO9001. Under Marshalls' Ethical Risk Index, all our natural stones are rated against the industry average by an independent auditor, so you can be assured of an ethical production and supply process.

DESCRIPTION

Appearance	White and black background with large violet crystals
Manufacturing Process	Sawn
Geological Type	Granite / Granodiorite
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	Coarse grained Pophyritic fresh Granite / Granodiorite
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)	17 mm Mean value to EN 14157 : 2004 (Hev = 17.34mm)
Durability (Freeze-thaw)	13.5/12.7 MPa (Mean values to EN 12371 : 2006)
Material Density	2660 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	0.5 % Mean value to EN 1936 : 2006
Compressive Strength (MPa)	179 MPa Mean value to EN 1926 : 2006 (Lev = 136 MPa)
Water Absorption (%)	0.2 % Mean value to EN 13755 : 2008 (Hev=0.34%)
Transverse/FlexuralSplit/Breaking	13.5 MPa Mean value to EN 12372 : 2006 (Lev = 11.41 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: 3.8 Cluster Score: 2.1
Carbon Footprint	
Belleville Granite Paving 300 x RL x 50	94.5 kg CO2 m ²
Belleville Granite Paving 300 x RL x 63	113.4 kg CO2 m ²
Belleville Granite Paving 300 x RL x 75	132.3 kg CO2 m ²
Belleville Granite Paving 450 x 450 x 50	94.5 kg CO2 m ²
Belleville Granite Paving 450 x 450 x 63	113.4 kg CO2 m ²
Belleville Granite Paving 450 x 450 x 75	132.3 kg CO2 m ²
Belleville Granite Paving 450 x 900 x 50	94.5 kg CO2 m ²
Belleville Granite Paving 450 x 900 x 63	113.4 kg CO2 m ²
Belleville Granite Paving 450 x 900 x 75	132.3 kg CO2 m ²
Belleville Granite Paving 450 x RL x 50	94.5 kg CO2 m ²
Belleville Granite Paving 450 x RL x 63	113.4 kg CO2 m ²
Belleville Granite Paving 450 x RL x 75	132.3 kg CO2 m ²
Belleville Granite Paving 600 x 600 x 50	94.5 kg CO2 m ²
Belleville Granite Paving 600 x 600 x 63	113.4 kg CO2 m ²
Belleville Granite Paving 600 x 600 x 75	132.3 kg CO2 m ²
Belleville Granite Paving 600 x 900 x 50	94.5 kg CO2 m ²
Belleville Granite Paving 600 x 900 x 63	113.4 kg CO2 m ²
Belleville Granite Paving 600 x 900 x 75	132.3 kg CO2 m ²

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	Fine Picked	Flamed	Polished
Light Reflectance Value (LRV)	37.29	31.04	16.65
Surface Roughness (Rz-µm)	>75	46.87	3
Slip Resistance (BS 14231) (Dry)	99	88	66.5
Slip Resistance (BS 14231) (Wet)	83	72.6	19

SUSTAINABILITY

Belleville Granite Paving 600 x RL x 50	94.5 kg CO2 m ²
Belleville Granite Paving 600 x RL x 63	113.4 kg CO2 m ²
Belleville Granite Paving 600 x RL x 75	132.3 kg CO2 m ²
Belleville Granite Setts 200 x 100 x 50	94.5 kg CO2 m ²
Belleville Granite Setts 200 x 100 x 63	113.4 kg CO2 m ²
Belleville Granite Setts 200 x 100 x 75	132.3 kg CO2 m ²
Belleville Granite Setts 300 x 100 x 50	94.5 kg CO2 m ²
Belleville Granite Setts 300 x 100 x 63	113.4 kg CO2 m ²
Belleville Granite Setts 300 x 100 x 75	132.3 kg CO2 m ²
Belleville Granite Setts 300 x 150 x 50	94.5 kg CO2 m ²
Belleville Granite Setts 300 x 150 x 63	113.4 kg CO2 m ²
Belleville Granite Setts 300 x 150 x 75	132.3 kg CO2 m ²
Belleville Granite Setts 300 x 200 x 50	94.5 kg CO2 m ²
Belleville Granite Setts 300 x 200 x 63	113.4 kg CO2 m ²
Belleville Granite Setts 300 x 200 x 75	132.3 kg CO2 m ²

FURTHER INFORMATION

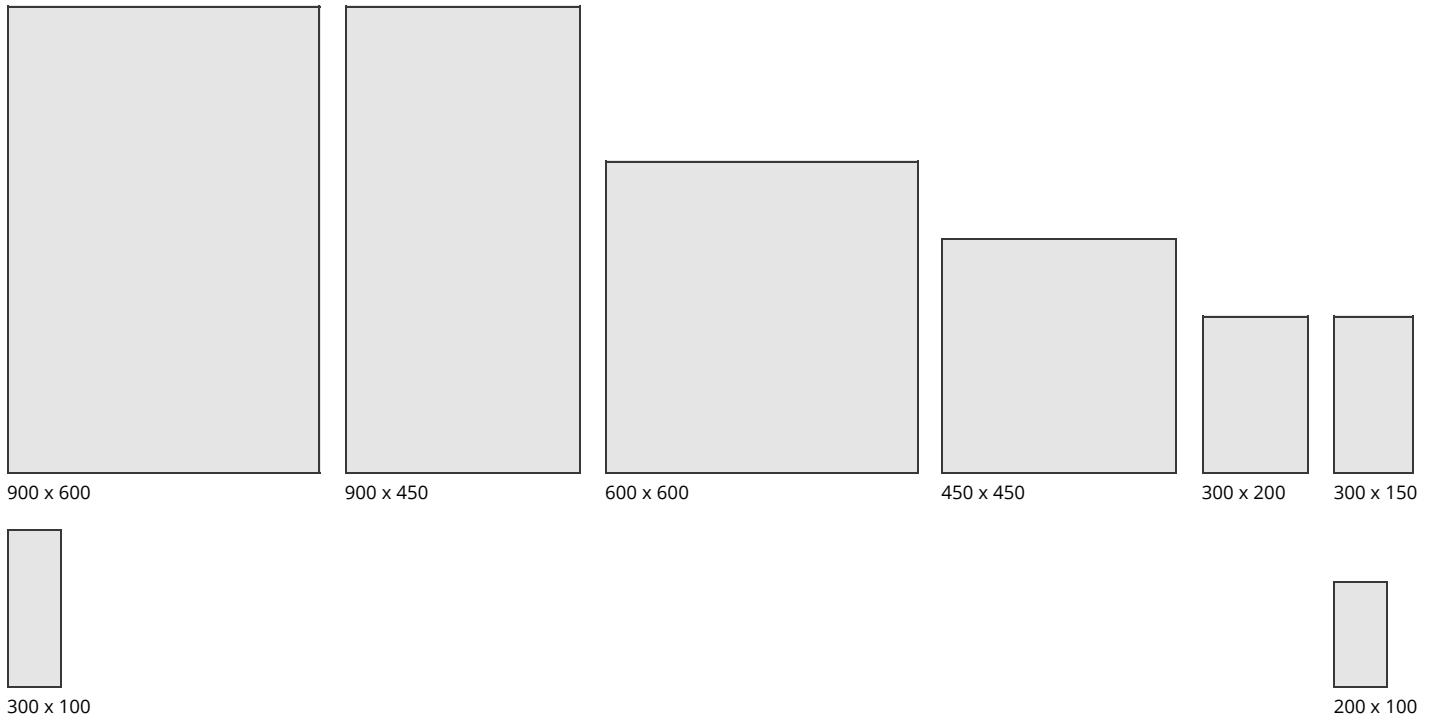
Contact Us	For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233
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Suggested Plan Sizes



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