

Thornlake Sandstone

Date Created: 17/10/19



Thornlake Indian Sandstone - Blasted

Thornlake Indian Sandstone Flamed

Thornlake Indian Sandstone Blasted And Clear Blast

Thornlake Indian Sandstone Bush Hammered And Brushed

*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' Thornlake Cambrian Sandstone is a strong landscaping stone that can be used for both pedestrian and vehicular trafficked areas.

A grey sandstone, it is supplied with a blasted finish and available as paving, setts and kerbs. Other features may be available by agreement.

Thornlake has all the traditional hard-wearing strength of sandstone, meaning it can withstand occasional use by emergency and delivery vehicles.

Marshalls' sandstones are produced to ISO9001 quality assurance standards.

DESCRIPTION	
Appearance	Grey Sandstone of varying tones
Manufacturing Process	Sawn
Geological Type	Cambrian Sandstone
Quarry of Origin	Kota Region, Rajasthan, India
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	Grey to grey/greenfine grained arenaceous sandstone
CE Marking/DOP	https://www.marshalls.co.uk/dop



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PHYSICAL PROPERTIES

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)	16.5mm (Mean value to EN 14157 : 2004 (Hev = 18.8mm))
Durability (Freeze-thaw)	32.5/29.6 MPa (Mean values to EN 12371 : 2006)
Material Density	2675 kg/m ³ (Mean value to EN 1936 : 2006)
Open Porosity (%)	4% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	201 MPa (Mean value to EN 1926 : 2006 (Lev = 151 MPa))
Water Absorption (%)	1.36% (Mean value to EN 13755 : 2008 (Hev = 1.4%))
Transverse/FlexuralSplit/Breaking	35.5 MPa (Mean value to EN 12372 : 2006 (Lev = 31.8 MPa))

TEXTURE SPECIFIC PROPERTIES

	Blasted	Flamed	Blast & Clear Blast	Bush hammered & Brushed
Light Reflectance Value (LRV)	43.45 (Dry), 17.88 (Wet)	30.73 (Dry), 14.87 (Wet)	32.93 (Dry), 14.99 (Wet)	41.66 (Dry), 19.66 (Wet)
Surface Roughness (Rz-µm)	46.9	39.7	70.8	41.8
Slip Resistance (BS 14231) (Dry)	91.4	96.7	103.4	97.3
Slip Resistance (BS 14231) (Wet)	78	74.5	86.5	69.2

MANUFACTURING

Materials Control	CE Marked to BS EN 1341 Paving, 1342 Setts, 1343 Kerbs
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SUSTAINABILITY

ERI Score	Our Score: 3.6 Cluster Score: 2.4
Carbon Footprint	
Thornlake Sandstone Paving 300 x RL x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 450 x 450 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 450 x 900 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 450 x RL x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 600 x 600 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 600 x 900 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 600 x RL x 50	101.5 kg CO2 m ²
Thornlake Sandstone Setts 200 x 100 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Setts 300 x 100 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Setts 300 x 150 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Setts 300 x 200 x 50	101.5 kg CO2 m ²
Thornlake Sandstone Paving 300 x RL x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 450 x 450 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 450 x 900 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 450 x RL x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 600 x 600 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 600 x 900 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 600 x RL x 63	127.89 kg CO2 m ²
Thornlake Sandstone Setts 200 x 100 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Setts 300 x 100 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Setts 300 x 150 x 63	127.89 kg CO2 m ²



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SUSTAINABILITY

ThornlakeSandstone Setts 300 x 200 x 63	127.89 kg CO2 m ²
Thornlake Sandstone Paving 300 x RL x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 450 x 450 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 450 x 900 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 450 x RL x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 600 x 600 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 600 x 900 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Paving 600 x RL x 75	152.25 kg CO2 m ²
Thornlake Sandstone Setts 200 x 100 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Setts 300 x 100 x 75	152.25 kg CO2 m ²
Thornlake Sandstone Setts 300 x 150 x 75	152.25 kg CO2 m ²
ThornlakeSandstone Setts 300 x 200 x 75	152.25 kg CO2 m ²

FURTHER INFORMATION

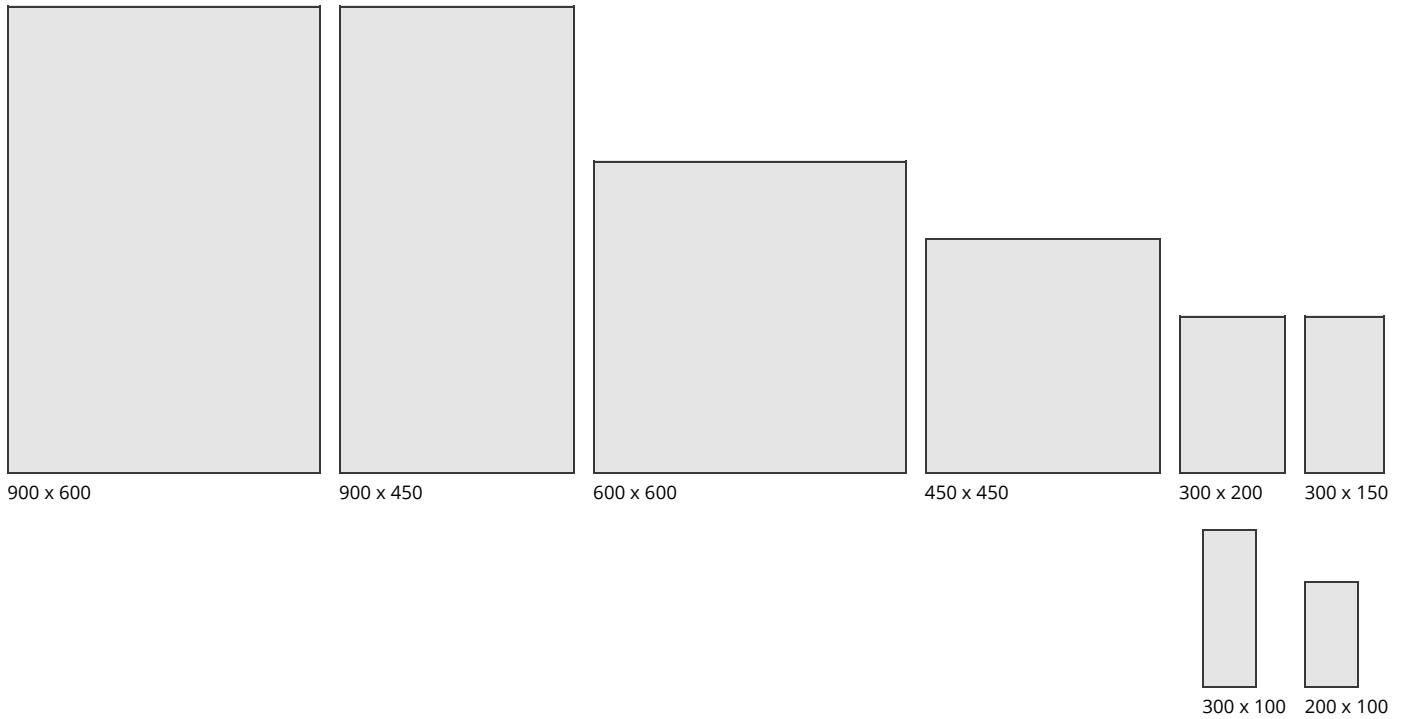
Contact Us For technical information on the design, specification and construction when utilising the product, contact Marshalls Group Technical Services on 03704 11 22 33



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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.

