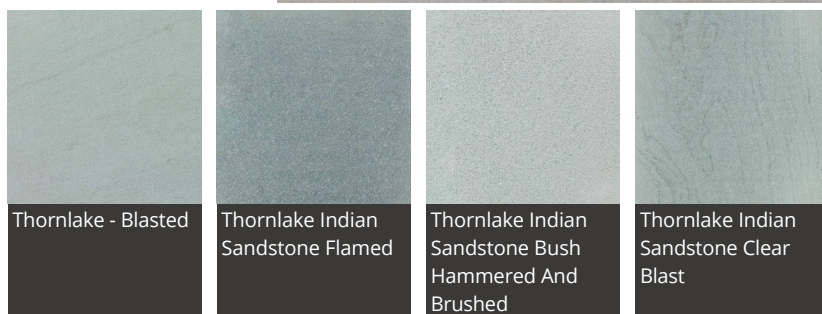


# Thornlake Sandstone

Date Created: 22/02/21



Thornlake - Blasted

Thornlake Indian Sandstone Flamed

Thornlake Indian Sandstone Bush Hammered And Brushed

Thornlake Indian Sandstone Clear Blast

\*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
Petrographical Description	Grey to grey/greenfine grained arenaceous sandstone
CE Marking/DOP	<a href="https://www.marshalls.co.uk/dop">https://www.marshalls.co.uk/dop</a>

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## PHYSICAL PROPERTIES

Work Dimensions (mm)	450 x 450 x 50 450 x 450 x 63 450 x 450 x 75 900 x 450 x 50 900 x 450 x 63 900 x 450 x 75 600 x 600 x 50 600 x 600 x 63 600 x 600 x 75 900 x 600 x 50 900 x 600 x 63 900 x 600 x 75 200 x 100 x 50 200 x 100 x 63 200 x 100 x 75 300 x 100 x 50 300 x 100 x 63 300 x 100 x 75 300 x 150 x 50 300 x 150 x 63 300 x 150 x 75 300 x 200 x 50 300 x 200 x 63 300 x 200 x 75
Abrasion Resistance (mm)	16.5mm (Mean value to EN 14157 : 2004 (Hev = 18.8mm))
Durability (Freeze-thaw)	20.4/29.6 MPa (Mean values to EN 12371 : 2006)
Material Density	2584 kg/m <sup>3</sup> (Mean value to EN 1936 : 2006)
Open Porosity (%)	4% (Mean value to EN 1936 : 2006)
Compressive Strength (MPa)	112 MPa (Mean value to EN 1926 : 2006 (Lev = 183 MPa))
Water Absorption (%)	1.17% (Mean value to EN 13755 : 2008 (Hev = 1.2%))
Transverse/FlexuralSplit/Breaking	33.53 MPa (Mean value to EN 12372 : 2006 (Lev = 29.98 MPa))

## TEXTURE SPECIFIC PROPERTIES

	Blasted
Light Reflectance Value (LRV)	43.45 (Dry), 17.88 (Wet)
Surface Roughness (Rz-µm)	46.9
Slip Resistance (BS 14231) (Dry)	91.4
Slip Resistance (BS 14231) (Wet)	78

## MANUFACTURING

Materials Control	UKCA 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
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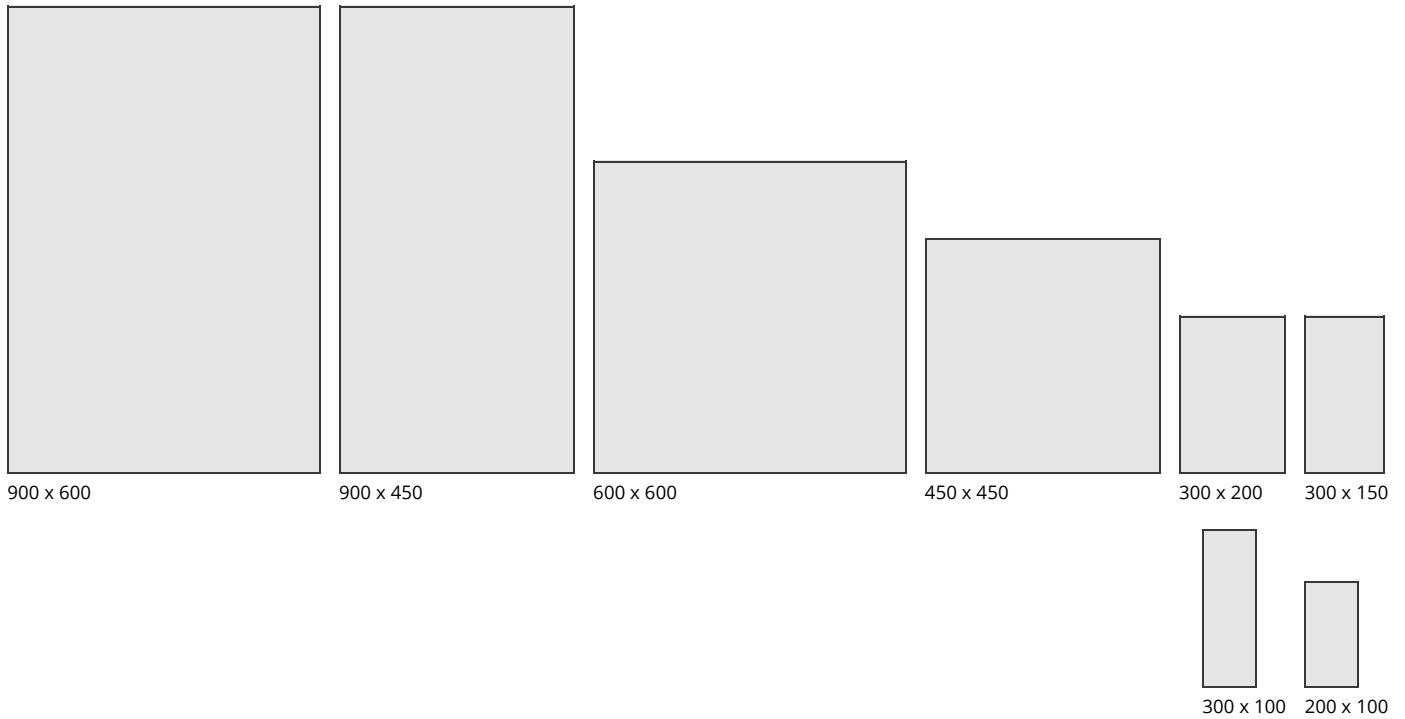
## FURTHER INFORMATION

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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