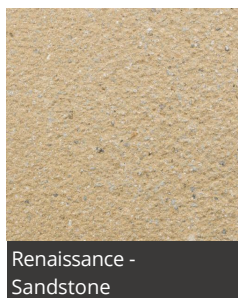


## Renaissance 450 x 450 x 70

Date Created: 03/08/18



Renaissance -  
Chalkstone



Renaissance -  
Sandstone



Renaissance -  
Slatestone

Designed to help promote long-term economic and environmental benefits, Renaissance Paving is a lightly textured paving solution created using 80% recycled content and non-virgin aggregates.

The product was developed according to the WRAP 'Rule of Thumb' guidelines on recycled or recovered materials in construction projects, making it an ideal choice if sustainable design is a consideration. Manufacture of the paving makes efficient use of materials, reusing water resource sustainably.

The range is available in two plan sizes (450x450mm and 600x600mm) and two thicknesses (50mm and 70mm).

There are 3 colours to choose from – Chalkstone, Sandstone and Slatestone. Each one is subtle and neutral, meaning they all work well across multiple environments, from urban contemporary settings to rural residential projects.

### DESCRIPTION

Appearance	Solid unit with textured surface
Manufacturing Process	Hydraulically pressed concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1339 : 2003
CE Marking/DOP	<a href="https://www.marshall's.co.uk/dop">https://www.marshall's.co.uk/dop</a>
NBS Specification	Q25 315

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## PHYSICAL PROPERTIES

Tolerances	Minimum (mm)	Maximum (mm)
Length	446	450
Width	446	450
Thickness	67	73
Work Dimensions (mm)	448 x 448 x 70	
Nominal Dimensions (mm)	450 x 450 x 70	
Tolerances on Work Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm	
Abrasion Resistance (mm)	≤ 23mm (Wide Wheel Abrasion Test)	
Durability (Freeze-thaw)	≤ 1.0 kg/m <sup>2</sup> as a mean with no individual value > 1.5 kg/m <sup>2</sup>	
Material Density	2300 kg/m <sup>3</sup> (typically)	
Slip/Skid Resistance (polished)	Mean polished skid resistance value (PSRV) : > 45	
Slip/Skid Resistance (unpolished)	Mean unpolished skid resistance value (USRV) : > 45.	
Thermal Conductivity (K value)	Design data as defined to BS EN 13369 : 2013	
Transverse/FlexuralSplit/Breaking	Characteristic bending strength of 4.0 MPa with no individual result less than 3.2 MPa	

## SPECIFICATION

Approx unit weight (kg)	32
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy. See commission decision 2000/553/ECU
Reaction to fire	Class A1, see commission decision 2000/605/EC

## SUSTAINABILITY

Breem	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	24 kg CO <sub>2</sub> m <sup>2</sup>

## APPLICATION

Suitability	Laid in accordance with BS 7533-4 : 2006
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## SITE WORKS

Coverage	4.9 no per m <sup>2</sup>
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## SUPPLY

Av. pack size (m <sup>2</sup> )	5.7
Units Per Pack	28
Av. pack weight (kg)	888
Packaging	All packs are suitable for crane off-load. Fork lift off-load on request

## FURTHER INFORMATION

Cleaning & Maintenance	Information regarding the cleaning & maintenance of this product may be obtained on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Marshall's reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice

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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