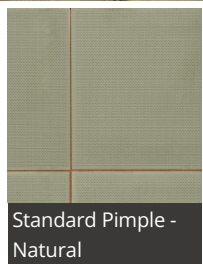


## Standard Pimple 450 x 450 x 70

Date Created: 24/11/22



Standard Pimple -  
Natural

Available in a range of colour and size options, Marshalls' Standard Pimple Paving provides a durable, functional and flexible paving solution that excels in urban environments.

With innovative fibre technology and raised pimples on its surface, Marshalls' Standard Pimple Paving offers maximum skid and slip resistance, and goes beyond industry standards for hardwearing stone.

Available in a range of thicknesses catering for different loading requirements, Standard Pimple Paving is an ideal choice for areas with high pedestrian traffic - such as train stations and urban park spaces. Marshalls' Standard Pimple Paving complies with BS EN 1339:2003.

DESCRIPTION	
Appearance	Solid unit with pimple 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
Type	Solid unit with pimple surface
UKCA Marking/DOP	<a href="https://www.marshalls.co.uk/declarations">https://www.marshalls.co.uk/declarations</a>
NBS Specification	Q25 315

# Standard Pimple 450 x 450 x 70

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## PHYSICAL PROPERTIES

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)	33
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy. See commission decision 2000/553/EU
Reaction to fire	Class A1, See commission decision 2000/605/EC
Materials Control	UKCA Marked to BS EN 1339 : 2003 Concrete Flags

## SUSTAINABILITY

Breem	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	19 kg CO <sub>2</sub>

## APPLICATION

Suitability	Laid in accordance with BS7533-4 : 2006
Loading Classification	Category 6 - 0.5msa Adopted highways and commercial/industrial developments used by a moderate number of commercial vehicles. Pedestrian areas subjected to regular overrun of commercial vehicles. Industrial premises. Petrol station forecourts.

## SITE WORKS

Coverage (m <sup>2</sup> )	4.9
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## SUPPLY

Units Per Pack	28
Av. pack weight (kg)	924
Packaging	All packs are suitable for crane off-load

## FURTHER INFORMATION

Cleaning & Maintenance	Available 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. Marshalls 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 Group Technical Services on 0370 411 2233