

## Standard Pimple 450 x 450 x 70



Standard Pimple  
- Natural

Available in a range of colour and size options, Marshall's 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, Marshall's 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. Marshall's Standard Pimple Paving complies with BS EN 1339:2003.

DESCRIPTION	
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
NBS Specification	Q25 315



## Standard Pimple 450 x 450 x 70

### PHYSICAL PROPERTIES

Work Dimensions (mm)	448 x 448 x 70
Nominal Dimensions (mm)	450 x 450 x 70
Tolerances on Work Dimensions (mm)	Class 2 tolerances to all dimensions as standard, Length $\pm 2\text{mm}$ , width $\pm 2\text{mm}$ , thickness $\pm 3\text{mm}$
Abrasion Resistance (mm)	$\leq 23\text{mm}$ (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	$\leq 1.0 \text{ kg/m}^2$ as a mean with no individual value $> 1.5 \text{ kg/m}^2$
Material Density	$2300 \text{ kg/m}^3$ (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
Bending Strength MPa	Characteristic bending strength of $4.0 \text{ MPa}$ with no individual result less than $3.2 \text{ MPa}$
LRV Range	22.39

### SPECIFICATION

Approx unit weight (kg)	33
Emission of Asbestos	No content
External Fire Performance	Deemed to satisfy when used for roofing
Reaction to fire	Class A1 when used for internal flooring
Installation	Laid in accordance with BS 7533-102:2025

### SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	19

### APPLICATION

Loading Classification	If you require further information please refer to the contact us section.
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### SITE WORKS

Coverage	4.9 no per $\text{m}^2$
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### SUPPLY

Av. Pack Size $\text{m}^2$	5.7
Units Per Pack	28
Av. pack weight (kg)	924

### 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. 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 Group Technical Services on 0370 411 2233

