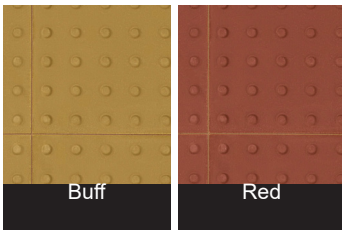


## Tactile Blister 450 x 450 x 50



Created to aid visually impaired and blind people as they navigate towns and cities on foot, Marshall's Blister Tactile Flag Paving makes it easier to identify where drop kerbs and appropriate road-crossing places are located.

The raised blister paving can be felt underfoot, while those with less severe sight loss can also use the product's colour coding to access extra information about their surroundings. Red Blister Tactile Slabs & Flag Paving is laid at controlled crossing points, while the same product in buff is found at uncontrolled crossing points. Alternatively, natural and charcoal units are permitted in some types of conservation areas.

DESCRIPTION	
Appearance	Solid unit with profiled surface
Manufacturing Process	Hydraulically pressed concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant manufactured, but not in compliance, to BS EN 1339 : 2003, as the tactility of paving is excluded from the Scope
NBS Specification	Q25 54, Q25 320

# Tactile Blister 450 x 450 x 50

## PHYSICAL PROPERTIES

Work Dimensions (mm)	448 x 448 x 50
Nominal Dimensions (mm)	450 x 450 x 50
Tolerances on Work Dimensions (mm)	Length $\pm 2$ mm, width $\pm 2$ mm, thickness $\pm 3$ mm
Abrasion Resistance (mm)	$\leq 23$ mm (Wide Wheel Abrasion Test)
Durability (Freeze-thaw)	$\leq 1.0$ 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
Bending Strength MPa	Characteristic bending strength of 4.0 MPa with no individual result less than 3.2 MPa

## SPECIFICATION

Approx unit weight (kg)	23
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

## SUSTAINABILITY

Breem	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	13

## APPLICATION

Loading Classification	Category 1 - Pedestrian and domestic driveways
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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>	7.3
Units Per Pack	36
Av. pack weight (kg)	828

## 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