Marshalls
Creating Better Spaces

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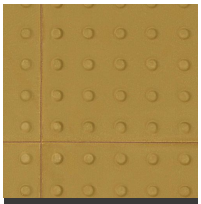
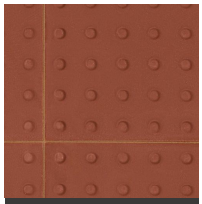
Tactile Blister 450 x 450 x 70

Date Created: 08/02/19



Blister Tactile Standard - Buff



Blister Tactile Standard - Red

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

The raised blister pattern 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 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 31	Q25 320

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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/m² as a mean with no individual value > 1.5 kg/m²	
Material Density	2300 kg/m³ (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/ECU
Reaction to fire	Class A1, see commission decision 2000/605/EC

SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	19 kg CO2 m²

APPLICATION

Loading Classification	Category 6 - 10 large goods vehicles per week (0.15 msa)

SITE WORKS

Coverage	4.9 no per m²

SUPPLY

Av. pack size (m2)	5.3
Units Per Pack	26
Av. pack weight (kg)	858
Packaging	All packs are suitable for crane off-load Fork lift off-load on request

FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are 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 the Technical Advisory Services Department on 0370 411 2233