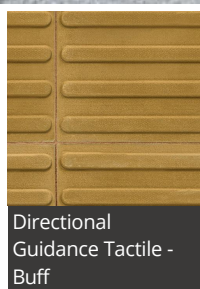


Tactile Directional Guidance 400 x 400 x 50

Date Created: 07/02/19



The raised profile and contrasting colours of Marshall's Tactile Directional Guidance Paving provide physical and visual alerts to people who are blind or visually impaired. Used in public spaces such as squares and plazas, Tactical Directional Guidance Paving is used to help pedestrians avoid hazards and obstructions. This support planners and designers in meeting the requirements of The Disabled Persons Act 1981 and DDA 2004. Marshall's Tactile Directional Guidance Paving offers round-ended bars that can be laid to demark the direction of travel and corners that are turned to indicate a change in direction. It can be installed in a single run, 400mm wide. Manufactured in accordance with BS EN 1339: 2003, it meets the guidelines set out by the Department for Transport. Available in Buff, the product offers both functionality and durability.

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 320

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PHYSICAL PROPERTIES

Tolerances	Minimum (mm)	Maximum (mm)
Length	396	400
Width	396	400
Thickness	47	53
Work Dimensions (mm)	398 x 398 x 50	
Nominal Dimensions (mm)	400 x 400 x 50	
Tolerances on Work Dimensions (mm)	Length ± 2 mm, width ± 2 mm, thickness ± 3 mm	
Abrasion Resistance (mm)	≤ 23 mm (Wide Wheel Abrasion Test)	
Durability (Freeze-thaw)	≤ 1.0 kg/m ² as a mean with no individual value > 1.5 kg/m ²	
Material Density	2300 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 in 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)	19
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

SUSTAINABILITY

Breeam	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	13 kg CO2 m ²

APPLICATION

Loading Classification	Category 1 - Pedestrian and domestic driveways
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SITE WORKS

Coverage	6.25 no per m ²
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SUPPLY

Av. pack size (m ²)	5.8
Units Per Pack	36
Av. pack weight (kg)	684
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. 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