

Hazard Warning 450 x 450 x 50

Date Created: 03/08/18



Hazard Warning Tactile
Standard - Natural

Designed to warn users of potential hazards in the immediate vicinity and to proceed with caution, Hazard Warning Tactile Flag Paving features a raised striped pattern which runs across its surface.

Also referred to as Corduroy paving, this product should be used in accordance with The Disabled Persons Act 1981 and DDA 2004. Hazard Warning Tactile Flag Paving is for use at the top and bottom of steps, level crossings and intersections of shared cycle/pedestrian routes. It should be installed at 90 degrees and 400mm from any potential hazards.

This product is available in a range of colour options – Red, Buff, Natural and Charcoal. Buff and Natural are also available as textured paving. Two different plan sizes feature in the range, 400 x 400mm and 450 x 450mm.

DESCRIPTION

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|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| CE Marking/DOP | https://www.marshall's.co.uk/dop |
| NBS Specification | Q25 320 |

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PHYSICAL PROPERTIES

| | | |
|------------------------------------|----------------------------------------------------------------------------------------|--------------|
| Tolerances | Minimum (mm) | Maximum (mm) |
| Length | 446 | 450 |
| Width | 446 | 450 |
| Thickness | 47 | 53 |
| Work Dimensions (mm) | 448 x 448 x 50 | |
| Nominal Dimensions (mm) | 450 x 450 x 50 | |
| 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 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 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) | 23 |
| 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

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

APPLICATION

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|-------------|------------------------------------------|
| Suitability | Laid in accordance with BS 7533-4 : 2006 |
|-------------|------------------------------------------|

SITE WORKS

| | |
|----------|---------------------------|
| Coverage | 4.9 no per m ² |
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SUPPLY

| | |
|---------------------------------|--------------------------------------------------------------------------|
| Av. pack size (m ²) | 8.1 |
| Units Per Pack | 36 |
| Av. pack weight (kg) | 920 |
| Packaging | All packs are suitable for crane off-load. Fork lift off-load on request |

FURTHER INFORMATION

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cleaning & Maintenance | Information regarding the cleaning & maintenance of this product may be obtained 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 |