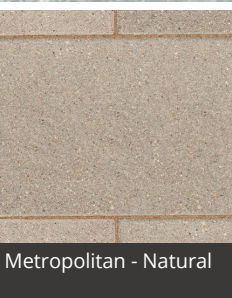


Metropolitan 200 x 200 x 80

Date Created: 03/08/18



Metropolitan - Natural



Metropolitan - Charcoal

*Natural products are manufactured from aggregates sourced locally to the works and contain no pigmentation, therefore colour variation between products from different works is possible.

The Metropolitan Combined Concrete Block and Flag Paving range affords designers creative freedom. It's not only cost-effective, but comes in a variety of block sizes – allowing planners to construct bespoke paving patterns.

A range of 5 block sizes allows designers to create interesting patterns and a solid result to benefit the design of any project or scheme.

Suitable for all loading applications and featuring a textured surface that provides excellent anti-slip and skid performance, the Metropolitan paving range is the perfect choice for public spaces. Education projects, retail locations and public footpaths will benefit from this attractive, high-quality paving solution all year round.

DESCRIPTION		
Appearance	Two part unit with textured surface and integral spacers	
Manufacturing Process	Semi dry pressed & vibrated concrete	
Base Raw Material	Concrete	
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1338 : 2003	
CE Marking/DOP	https://www.marshalls.co.uk/dop	
NBS Specification	Q24 10	Q24 110
	Q24 112	Q24 113
	Q25 120	Q25 125
	Q25 220	Q25 315

Metropolitan 200 x 200 x 80

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PHYSICAL PROPERTIES

Tolerances	Minimum (mm)	Maximum (mm)
Length	198	202
Width	198	202
Thickness	77	83
Work Dimensions (mm)	200 x 200 x 80	
Nominal Dimensions (mm)	200 x 200 x 80	
Tolerances on Work Dimensions (mm)	Length ± 2 mm, width ± 2 mm, thickness ± 3 mm	
Abrasion Resistance (mm)	≤ 23 mm (Wide Wheel Abrasion Test)	
Chamfer Dimensions	6 mm	
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	

SPECIFICATION

Approx unit weight (kg)	7.2
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	32 kg CO ₂ m ²

SITE WORKS

Coverage	25 no per m ²
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SUPPLY

Av. pack size (m ²)	7.2
Av. pack weight (kg)	1296
Packaging	All packs are shrinkwrapped onto pallets for fork off-load or crane off-load if necessary

APPLICATION

Suitability	Laid in accordance with BS 7533-3 : 2005 + A1 : 2009
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FURTHER INFORMATION

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	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. 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
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