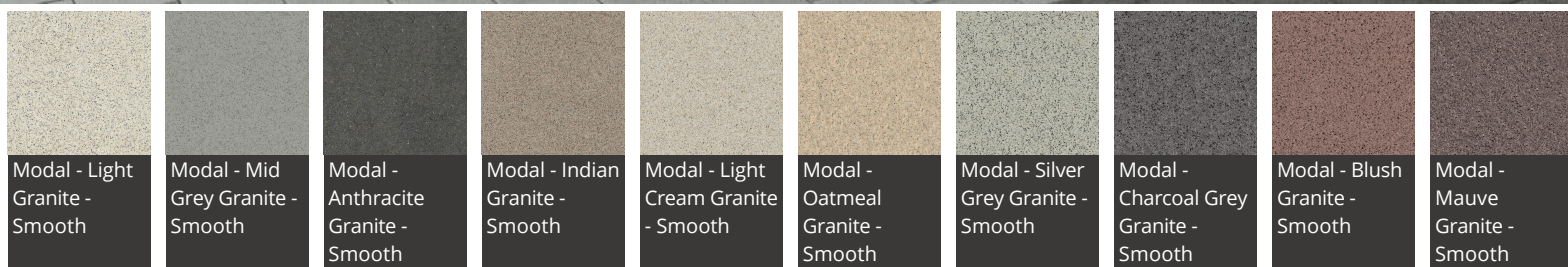


## Modal Smooth 200 x 200 x 80

Date Created: 07/02/19



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 new flagship Modal range incorporates the internationally popular La Linia into a truly versatile paving collection. Available in both smooth and textured finishes, the high quality aggregates in the surface catch the light to lend a contemporary urban look to modern landscapes.

Combining any permutation of the 10 colours and 12 sizes available in the new Modal range allows for truly creative laying options. Modal is ideal for pedestrianised areas, but smaller paving units are also suitable for HGV trafficking.

DESCRIPTION									
Appearance	Two part unit with polished surface and integral spacers and straight edges								
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	<a href="https://www.marshalls.co.uk/dop">https://www.marshalls.co.uk/dop</a>								
NBS Specification	<table border="0"> <tr> <td>Q24 10</td><td>Q24 110</td></tr> <tr> <td>Q24 112</td><td>Q24 113</td></tr> <tr> <td>Q25 120</td><td>Q25 125</td></tr> <tr> <td>Q25 220</td><td>Q25 315</td></tr> </table>	Q24 10	Q24 110	Q24 112	Q24 113	Q25 120	Q25 125	Q25 220	Q25 315
Q24 10	Q24 110								
Q24 112	Q24 113								
Q25 120	Q25 125								
Q25 220	Q25 315								

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## PHYSICAL PROPERTIES

Tolerances	Minimum (mm)	Maximum (mm)
Length	198	202
Width	198	202
Thickness	77	83
Work Dimensions (mm)	199 x 199 x 80	
Nominal Dimensions (mm)	200 x 200 x 80	
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 : 2013	
Facing Layer	4mm minimum thickness	
Tensile Splitting Strength	Characteristic tensile splitting strength not less than 3.6 MPa. None of the individual results shall be less than 2.9 MPa, nor have a failure load less than 250 N/mm of splitting length	

## SPECIFICATION

Approx unit weight (kg)	7
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

Breem	These units can achieve an "A" rated system when used in conjunction with the correct sub-base components
Carbon Footprint	40 kg CO <sub>2</sub> m <sup>2</sup>

## SITE WORKS

Coverage	25 no per m <sup>2</sup>
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## SUPPLY

Av. pack size (m <sup>2</sup> )	7.2
Units Per Pack	180
Av. pack weight (kg)	1260
Packaging	All packs are shrinkwrapped onto pallets for fork off-load or crane off-load if necessary

## 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	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

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## APPLICATION

**Suitability**

For any given application, any resulting soiling (whether vehicular or pedestrian origin) will be more apparent on Light Granite than any darker shades and alternative colours, so careful consideration should be given when selecting colour in relation to application. Therefore, consideration should be given to any possible additional maintenance requirements, to ensure a desirable and acceptable appearance is provided.

**Loading Classification**

Category 5 - 1 large goods vehicle per week

