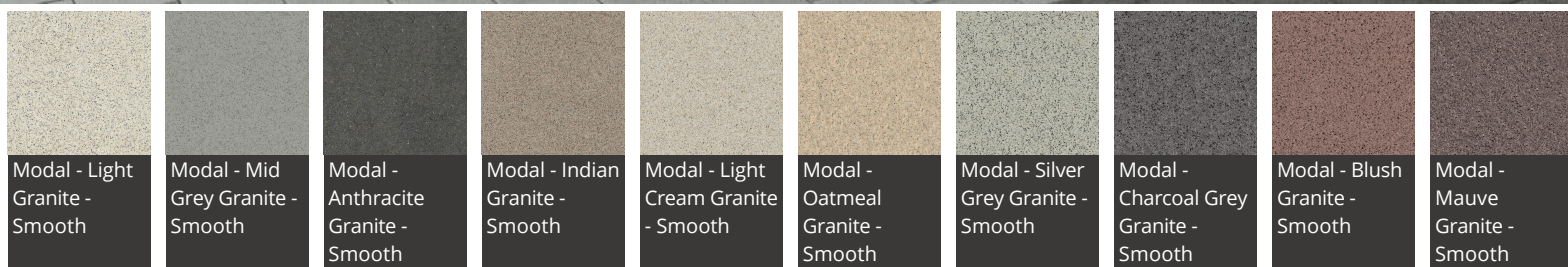


Modal Smooth 400 x 300 x 80

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 1339 : 2003 | | | | | | | | |
| CE Marking/DOP | https://www.marshalls.co.uk/dop | | | | | | | | |
| NBS Specification | <table> <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 | | | | | | | | |

Modal Smooth 400 x 300 x 80

Date Created: 07/02/19

PHYSICAL PROPERTIES

| | | |
|------------------------------------|--|--------------|
| Tolerances | Minimum (mm) | Maximum (mm) |
| Length | 398 | 402 |
| Width | 298 | 302 |
| Thickness | 77 | 83 |
| Work Dimensions (mm) | 399 x 299 x 80 | |
| Nominal Dimensions (mm) | 400 x 300 x 80 | |
| 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 | |
| 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) | 22 |
| 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 ₂ m ² |

SITE WORKS

| | |
|----------|-------------------------|
| Coverage | 9 no per m ² |
|----------|-------------------------|

SUPPLY

| | |
|---------------------------------|---|
| Av. pack size (m ²) | 6.7 |
| Units Per Pack | 56 |
| Av. pack weight (kg) | 1240 |
| 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 | Marshalls 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 |

Modal Smooth 400 x 300 x 80

Date Created: 07/02/19

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

