

## Carto Sawn 50 600x600



Carto is a sandstone-inspired range that uses advanced concrete technology to deliver the character of natural stone with improved performance and a lower carbon footprint. Manufactured in the UK, its tight sawn finish and unique blend options enable tailored colour palettes across commercial schemes. Available in both block and flag formats, Carto performs equally well in pedestrian and trafficked environments. Manufactured using advanced SurfaceBlend® technology, it recreates the natural colours and tones found in quarried stone. Choose from two carefully curated natural stone blends, each suitable for use on its own for an authentic finish or combined to create a bespoke palette. It also features two further surface technologies. SurfaceLock® is our advanced surface durability technology that helps to protect against UV fading, weathering and the demands of everyday use. Whilst CarbonStep® technology reduces embodied carbon within the mix making it a more sustainable alternative to natural stone, without compromising the performance.

| DESCRIPTION                       |                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------|
| Appearance                        | Solid Unit with a Sawn Finish incorporating Marshall's SurfaceLock                     |
| 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 (Flag)    |
| UKCA Marking/DOP                  | <a href="http://www.marshalls.co.uk/declarations">www.marshalls.co.uk/declarations</a> |



## Carto Sawn 50 600x600

### PHYSICAL PROPERTIES

|                                    |                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Dimensions (mm)               | 598 x 598 x 50                                                                                                                                                                            |
| Nominal Dimensions (mm)            | 600 x 600 x 50                                                                                                                                                                            |
| Tolerances on Work Dimensions (mm) | Class 2 tolerances to all dimensions as standard, Length $\pm 2\text{mm}$ , width $\pm 2\text{mm}$ , thickness $\pm 3\text{mm}$                                                           |
| Abrasion Resistance (mm)           | $\leq 23\text{mm}$ (Wide Wheel Abrasion Test)                                                                                                                                             |
| Durability (Freeze-thaw)           | $\leq 1.0 \text{ kg/m}^2$ as a mean with no individual value $> 1.5 \text{ kg/m}^2$                                                                                                       |
| 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                                                                                                                                                     |
| Tensile Splitting Strength         | Characteristic tensile splitting strength not less than 4.0 MPa. None of the individual results shall be less than 3.2 MPa, nor have a failure load less than 250N/mm of splitting length |
| Bending Strength MPa               | Characteristic bending strength of 4.0 MPa with no individual result less than 3.2 MPa                                                                                                    |

### SPECIFICATION

|                           |                                          |
|---------------------------|------------------------------------------|
| Approx unit weight (kg)   | 42.3                                     |
| Emission of Asbestos      | No content                               |
| External Fire Performance | Deemed to satisfy when used for roofing  |
| Installation              | Laid in accordance with BS 7533-102:2025 |

### SUSTAINABILITY

|        |                                                                                                           |
|--------|-----------------------------------------------------------------------------------------------------------|
| Breeam | These units can achieve an "A" rated system when used in conjunction with the correct sub-base components |
|--------|-----------------------------------------------------------------------------------------------------------|

### SITE WORKS

|          |   |
|----------|---|
| Coverage | 3 |
|----------|---|

### SUPPLY

|                      |     |
|----------------------|-----|
| Av. Pack Size m2     | 7.2 |
| Units Per Pack       | 20  |
| Av. pack weight (kg) | 846 |

### FURTHER INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cleaning & Maintenance | 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 Group Technical Services on 0333 220 2740                                                                                                                                                                                                                    |