

# Aura Concrete Block Paving

## Technical Data Sheet



Bronze Fleck



Bronze Fleck



Silver Fleck

### Description

Ideal for creating an historic cobbled-street style, Brett Aura's tumbled, riven surface provides a naturally variable aesthetic, while its exposed aggregate creates a distinctive sparkle, reminiscent of a traditional granite sett.

### Application

Brett Aura is suitable for most high-quality domestic and residential applications.

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|-------------------------------|---|
| <b>Product Type</b>           | Aged/distressed precast concrete modular block paving.      |
| <b>Manufacturing Process</b>  | Semi Dry pressed and vibrated concrete.                     |
| <b>Manufacturing Standard</b> | BS EN 1338: 2003  |
| <b>Design Standard</b>        | BS 7533-101: 2021   |
| <b>Installation Standard</b>  | BS 7533-102: 2025   |
| <b>UKCA/DOP</b>               | Contact Brett for more information                          |
| <b>NBS Specification</b>      | 45-20-64/400 Precast concrete paving blocks Q24 110 112 113 |

## Product Performance

| Nominal Dimensions (mm) | Working Dimensions (mm) | No.per pack | m2 per pack | No.per m2 | Pack wt max kg |
|-------------------------|-------------------------|-------------|-------------|-----------|----------------|
| 114x114x60              | 114x114x60              | 539         | 7.01        | 77        | 868            |
| 171x114x60              | 171x114x60              | 385         | 7.50        | 51        | 970            |

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| <b>Tolerances on Working Dimensions</b> | Class 2 tolerances on dimensions, Plan Size $\pm$ 2mm; Thickness $\pm$ 3mm             |
| <b>Tensile Strength</b>                 | Characteristic tensile splitting strength $\geq$ 3.6 Mpa; Failing load $\geq$ 250 N/mm |
| <b>Abrasion Resistance</b>              | Class 4 - $\leq$ 20mm - Determined by Wide Wheel Abrasion Test                         |
| <b>Durability (Freeze Thaw)</b>         | Class 3 $\leq$ 1,0kg/m <sup>2</sup> with no individual result $>$ 1,5kg/m <sup>2</sup> |
| <b>Slip / Skid Resistance</b>           | PTV Unpolished Slip Resistance Value $\geq$ 55 - Potential for slip - Low              |
| <b>Thermal Conductivity</b>             | 1.2 W/(mK)   |
| <b>External Fire Performance</b>        | Deemed to satisfy, see commission decision 2000/553/EC                                 |
| <b>Reaction to Fire</b>                 | Class A1, see commission decision 2000/605/EC  |

## Sustainability

|   |  |
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| <b>BREEAM</b>                             | <b>Concrete Block Paving 60mm:</b> A rating, as per the BRE Green Guide, 4th Edition 2009, A+ rating can be achieved when used in conjunction with a prepared recycled sub-base. |
| <b>BES 6001</b>                           | Responsible Sourcing of Concrete Products (Rating: Excellent)  |
| <b>Recyclable</b>                         | 100% of this product can be recycled.  |
| <b>Brett 5-Star Sustainability Rating</b> | =3   |
| <b>Embodied Carbon</b>                    |  |
| <b>Nominal Dimensions (mm)</b>            | <b>kg CO2-eq per m2</b>  |
|   | <b>50mm</b>   <b>60mm</b>   <b>80mm</b>  |
| 114x114                                   | -   15.47   -  |
| 171x114                                   | -   15.96   -  |

## Early Life and Maintenance

Once your paving has been installed, you may notice some changes to its appearance in the first few days and weeks. These visual changes can be due to a number of reasons originating from the concrete and/or the manufacturing or installation method. Many of these will simply weather away, including:

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| <b>Efflorescence</b> | The ongoing chemical reaction within the concrete which provides its strength can produce calcium carbonate (a white powdery |
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|  | <p>residue) which may appear on the surface of products. This temporarily lightens the product but will typically weather away without reoccurrence.</p>  |
| <p><b>Porosity</b></p>                     | <p>Concrete continues to cure for many years after manufacture. Whilst this happens and usually during its initial life, a level of porosity may exist where some product retains water, giving a damp appearance. This will diminish as the concrete continues to harden as the product dries out.</p>     |
| <p><b>Aged and distressed products</b></p> | <p>For certain products, we distress the edges to offer an aged appearance and enhance the character of the paving. A dusty residue can be left on the blocks. This will weather away.</p>  |
| <p><b>Differential Curing</b></p>          | <p>Dark patches occasionally appear on the surface of concrete products. This may be differential curing and is caused by varying moisture levels within the flag drying at different rates. Like efflorescence, given time and the natural weathering process, these patches will become less visible.</p> |