

# Meltone Commercial Concrete Flag Paving

## Technical Data Sheet



Black Fleck



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### **Description**

A hardwearing granite-styled, wet-pressed paving flag, Brett Meltone features a finely textured surface and straight edges, making it the ideal choice for designers looking to create a contemporary aesthetic.

### **Application**

Meltone paving is suitable for a wide range of applications, offering a slip-resistant solution for urban commercial and domestic projects alike. Not suitable for driveways.

<b>Product Type</b>	Textured precast concrete modular paving flag.
<b>Manufacturing Process</b>	Hydraulically pressed concrete paving flag.
<b>Manufacturing Standard</b>	BS EN 1339: 2003
<b>Design Standard</b>	BS 7533-101: 2021
<b>Installation Standard</b>	BS 7533-102: 2025
<b>UKCA/DOP</b>	<i>Contact Brett for more information</i>
<b>NBS Specification</b>	45-20-64/395 Precast concrete flags Q25 315

## Product Performance

Nominal Dimensions (mm)	Working Dimensions (mm)	No.per pack	m2 per pack	No.per m2	Pack wt max kg
450x450x50	447x447x50	40	8.10	4.94	960
600x300x50	597x297x50	20	3.60	5.56	423
600x450x50	597x447x50	20	5.40	3.70	640
600x600x50	597x597x50	20	7.20	2.78	840
400x400x65	397x397x65	30	4.80	6.25	733

<b>Tolerances on Working Dimensions</b>	Class 2 tolerances on dimensions, Plan Size $\pm$ 2mm; Thickness $\pm$ 3mm
<b>Bending Strength</b>	Characteristic bending strength $\geq$ 5.0 Mpa Class 3 / Characteristic breaking load $>$ 4.5 KN
<b>Abrasion Resistance</b>	Class 3 - $\leq$ 23mm - 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>	Smooth - 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

<b>BREEAM</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

## Embodied Carbon

Nominal Dimensions (mm)	kg CO <sub>2</sub> -eq per m <sup>2</sup>		
	50mm	65mm	70mm
600x600	15.17	-	-
450x450	14.91	-	-

Contact Brett for more information on the embodied carbon for commercial paving.

## **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 several reasons originating from the concrete and/or the manufacturing or installation method. Many of these will simply weather away, including:

<b>Efflorescence</b>	The ongoing chemical reaction within the concrete which provides its strength can produce calcium carbonate (a white powdery residue) which may appear on the surface of products. This temporarily lightens the product but will typically weather away without reoccurrence.
<b>Porosity</b>	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.
<b>Aged and distressed products</b>	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.
<b>Differential Curing</b>	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.