

Meltone Garden 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.

Product Type	Precast Concrete Paving Flags
Manufacturing Process	Hydraulically pressed & textured concrete
Manufacturing Standard	BS EN 1339: 2003
Design Standard	BS 7533-101: 2021
Installation Standard	BS 7533-102: 2025
UKCA/DOP	<i>Contact Brett for more information</i>
NBS Specification	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
450x450x32	447x447x32	56	11.85	4.73	878
600x600x35	597x597x35	26	9.68	2.69	795

Tolerances on Working Dimensions	Class 2 tolerances on dimensions, Plan Size \pm 2mm; Thickness \pm 3mm
Bending Strength	Characteristic bending strength \geq 3.5 Mpa Class 1 / Characteristic breaking load $>$ 3 KN
Abrasion Resistance	Class 4 - \leq 20mm - Determined by Wide Wheel Abrasion Test
Durability (Freeze Thaw)	Class 3 \leq 1,0kg/m ² with no individual result $>$ 1,5kg/m ²
Slip / Skid Resistance	Smooth - PTV Unpolished Slip Resistance Value \geq 55 - Potential for slip - Low
Thermal Conductivity	1.2 W/(mK)
External Fire Performance	Deemed to satisfy, see commission decision 2000/553/EC
Reaction to Fire	Class A1, see commission decision 2000/605/EC

Sustainability

BREEAM BES 6001	No rating for 32-35mm decorative paving flags. Responsible Sourcing of Concrete Products (Rating: Excellent)
Recyclable	100% of this product can be recycled.
Brett 5-Star Sustainability Rating	=3

Embodied Carbon

Nominal Dimensions (mm)	kg CO2-eq per m2	
	32mm	35mm
600x600	-	11.54
450x450	10.80	-

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:

Efflorescence	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.
Porosity	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.
Aged and distressed products	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.
Differential Curing	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.