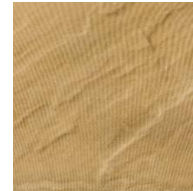


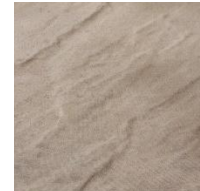
Quorndon Concrete Flag Paving Technical Data Sheet



Buff



Buff



Natural

Description

Featuring a gently riven surface and colour variations, Brett Quorndon modular, wet-press paving flags provide excellent durability characteristics, and are designed with a slight edge chamfer.

Application

Brett Quorndon is well-suited to installation in domestic utility areas, as well as wider housebuilder and commercial projects which are subjected to foot traffic only. Not suitable for driveways.

Product Type	Riven precast concrete modular paving flag.
Manufacturing Process	Hydraulically pressed concrete paving flag.
Manufacturing Standard	BS EN 1339: 2003
Design Standard	BS 7533-101: 2021
Installation Standard	BS 7533-102: 2025
UKCA/DOP	Contact Brett for more information
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
450x450x35	447x447x35	56	11.85	4.73	933
600x300x35	597x297x35	26	4.91	5.29	385
600x600x35	597x597x35	26	9.67	2.69	770

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	Riven - No performance declared - riven finish
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 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

Nominal Dimensions (mm)	kg CO2-eq per m2				
	32mm	35mm	50mm	65mm	70mm
600x600	-	11.35	-	-	-
600x300	-	11.17	-	-	-
450x450	-	11.26	-	-	-

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.