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Date Created: March 2025

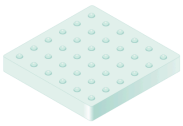
Tactile Concrete Flag Paving Technical Data Sheet

Buff

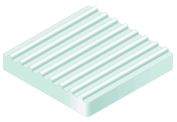
Buff

Natural

Red



Blister Paving
For use at controlled and uncontrolled pedestrian crossing points.



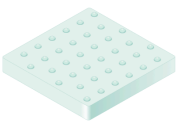
Hazard Paving
Provides an unmistakable warning against potential hazards such as flights of steps or obstructions

Directional Paving
Identifies a safe pedestrian route, avoiding obstacles and hazards

Cycleway Paving
Indicates the beginning of shared cycle/pedestrian routes. Denotes pedestrian paths when laid transversely and cycle paths when laid longitudinally.

Lozenge Paving
Indicates that Light Rapid Transport (LRT) platform edge is approximately one pace away.

Barfaced Paving
British Standard compliant, skid-resistance paving.



Platform Edge Paving
Indicates platform edge proximity. Ideal for use on surface or underground rail systems.

built on relationships

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Description

The Brett Tactile range is a durable, wet-pressed paving flag with a tactile surface created for a specific application.

Application

The Brett Tactile range can be used in a variety of urban pavement applications.Reference to the documentation " Department of Transport - Guidance on the Use of Tactile Paving Surfaces December 2021"

Product Type	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	45-20-64/425 Precast concrete tactile flags / Q25 320

Product Performance

Nominal Dimensions (mm)	Working Dimensions (mm)	No.per pack	m2 per pack	No.per m2	Pack wt max kg
Barfaced					
600x600x50	597x597x50	20	7.2	2.78	846
Blister					
400x400x50	397x397x50	36	5.76	6.25	677
400x400x65	397x397x65	28	4.48	6.25	713
450x450x50	447x447x50	36	7.29	4.94	856
450x450x70	447x447x70	26	5.27	4.94	866
Cycleway				———————	
400x400x50	397x397x50	36	5.76		677
Directional					
400x400x50	397x397x50	36	5.76		677
Hazard					
400x400x50	397x397x50	36	5.76		700
400x400x65	397x397x65	28	4.48	6.25	685
Lozenge					
400x400x50	397x397x50	36	5.76		677
Platform Edge					
400x400x50	397x397x50	36	5.76		677

Tolerances on Working Dimensions	Class 2 tolerances on dimensions, Plan Size ± 2mm; Thickness ± 3mm
Bending Strength	Characteristic bending strength ≥ 5.0 Mpa Class 3 / Characteristic breaking load > 4.5 KN
Abrasion Resistance	Class 4 - ≤ 20mm - Determined by Wide Wheel Abrasion Test
Durability (Freeze Thaw)	Class 3 ≤ 1,0kg/m² with no individual result > 1,5kg/m²
Slip / Skid Resistance	PTV Unpolished Slip Resistance Value ≥ 36 - 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	**Concrete Paving Flags 50-60mm:** 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. **Concrete Block Paving 70-80mm:** B 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.
BES 6001	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	50mm	65mm	70mm
450x450	-	-	14.99	-	19.62
400x400	-	-	14.99	19.16	-

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:

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.