



Alpha Flow Block Paving Range

Technical Data Sheet

Issue Ref: AFBPR:1

Description

Manufacturing Standard : **BS EN 1338: 2003**
 Manufacturing Process : Semi dry pressed & vibrated concrete
 Product Type: Precast Concrete Paving Blocks
 Incorporates 60 - 80mm Alpha Flow

Application: Domestic and Commercial use; hardstanding for vehicular & pedestrian pavements including footpaths, cycle tracks, driveways, adoptable highways, commercial pavements, roof top and balcony applications etc. (please see www.brettpaving.co.uk for further guidance on applications)

Product Performance

Strength Characteristic tensile splitting strength ≥ 3.6 Mpa; Failing load ≥ 250 N/mm
 Abrasion Resistance ≤ 23 mm - Determined by Wide Wheel Abrasion Test
 Durability Class 3 $\leq 1,0$ kg/m² with no individual result $\leq 1,5$ kg/m²
 Slip / Skid Resistance Unpolished Slip Resistance Value ≥ 55 - Potential for slip - Low
 Reaction to fire Class A1 when used for internal flooring
 External Fire Performance Deemed to satisfy
 Emission of asbestos No content
 Thermal Conductivity 1.2 W/(mK)

Dimensions (mm) & Typical Unit Weights (Kg)

Product	Size / Code	Working. Dims (mm)	Unit Weight (kg)
Alpha Flow Paving 60mm	Small	105x140	1.7
	Medium	140x140	2.4
	Large	210x140	3.6
Alpha Flow Paving 80mm	Small	105x140	2.6
	Medium	140x140	3.2
	Large	210x140	4.8

Tolerance on Working Dimensions Thickness ± 3 mm; Plan size ± 2 mm
 Chamfer Aged

Product Information

Design Standard BS 7533-13:2009
 Installation Standard BS 7533-3:2005 + A1:2009
 NBS Specification 45-20-64/400 Precast concrete paving blocks Q24 110 112 113, Q25 335
 Colour Autumn Gold, Brindle, Charcoal
 Other Aging characteristics can vary according to product type. Please contact for clarification.

<u>Product</u>	<u>Size</u>	<u>No. per pack</u>	<u>No. per m²</u>	<u>m² per pack</u>	<u>Pack Weight (kg)</u>	<u>Pack Type</u>
Alpha Flow Paving 60mm	Small	702	68	10.32	1230	Void
	Medium	528	51	10.35	1260	Void
	Large	352	34	10.35	1260	Void
Alpha Flow Paving 80mm	Small	510	68	7.50	1200	Void
	Medium	384	51	7.53	1220	Void
	Large	256	34	7.53	1220	Void

Useful Links

Brett Website - Domestic	https://www.brettpaving.co.uk/home-owners/permeable-paving-1/traditional-3/alpha-flow-1/
Brett Website - Commercial	https://www.brettpaving.co.uk/commercial/block-paving/alpha-antique-1/
NBS Specification	https://www.ribaproductselector.com/Product.aspx?ci=6218&pr=BrettLandscaping-AlphaFlowPermeableBlockPaving
BIM Model	https://www.nationalbimlibrary.com/brett-landscaping/alpha-flow-permeable-block-paving?lo=en-GB
Cleaning & Maintenance	https://www.brettpaving.co.uk/knowledge-hub/maintenance-guides/

Contact Details

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