



Colours



- *Light traffic suitable for Invicta TRIO 60mm and 600x200x80mm
 **80mm up to and including 300x200 can be used in a flexible heavy duty application.

Lugano Misty Grey



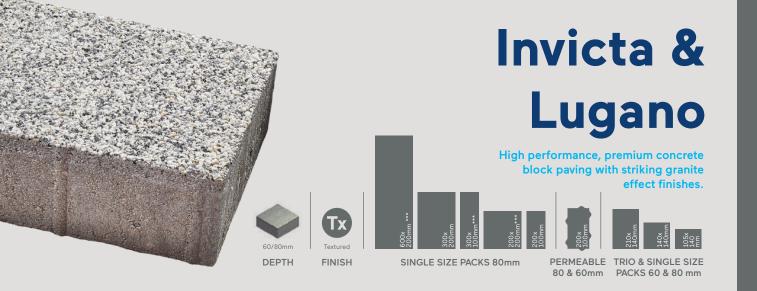








^{***}Applies to Invicta only.



Standards and Performance

Product Type Precast Concrete Paving Blocks/Flags BS EN 1338: 2003 / BS EN 1339: 2003 **Manufacturing Standard Design Standards** BS 7533-101:2021; BS 7533-13:2009 Installation Standards BS 7533-3:2005 +A1:2009 ; BS 7533-4:2006

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.brettlandscaping.co.uk for

further guidance on applications suitable for paving plan sizes.)

Strength Characteristic tensile splitting strength ≥ 3.6 Mpa; Failing load ≥ 250 N/mm

Strength 600x200x80mm Characteristic bending strength ≥ 5.0 Mpa / Characteristic breaking load > 4.5 KN

Abrasion Resistance ≤ 23mm - Determined by Wide Wheel Abrasion Test **Durability** Class $3 \le 1,0 \text{kg/m}^2$ with no individual result $\le 1,5 \text{kg/m}^2$

Slip/Skid Resistance Unpolished Slip Resistance Value ≥ 55 - Potential for slip - Low

Slip/Skid Resistance 600x200x80

≥ 55 - Potential for slip - Low

Class A1 when used for internal flooring Reaction to Fire

External Reaction to Fire Deemed to satisfy

Emission of asbestos No content **Thermal Conductivity** 1.2 W/(mK)

Sustainability

BES 6001 Responsible Sourcing of Concrete Products (Rating: Excellent)

Energy Use 100% renewable electricity

Recyclable 100% of this product can be recycled. Invicta contains 15% recycled content in backing

Manufacturing Produced in the UK using responsibly sourced materials

Waste Wood + Plastic 100% recyclable

Carbon Footprint & Brett Landscaping and Building Products have contributed to the members' of Interpave,

a product group of British Precast, Environmental Product Declaration for Paving Products (Blocks, Slabs, Channels and Kerbs), in accordance to BS EN 15804:2012-4+A1 2013, independently verified by a third party according to ISO 14025:2011-10. We are dedicated to creating a more sustainable future, to view our sustainable development goals and our industry leading EPDs, visit www.brettlandscaping.co.uk/professional/

sustainability/

BREEAM Concrete Block Paving 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 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.















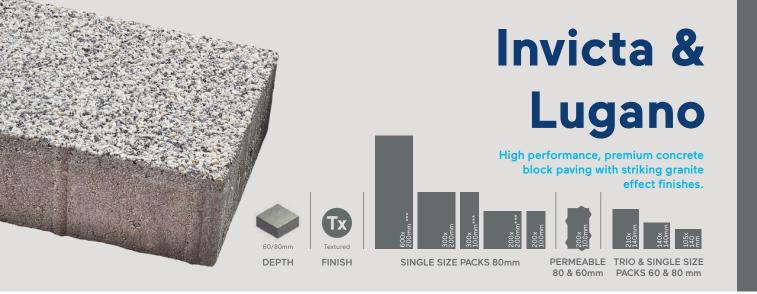












Finishes

Invicta: Beautifully Engineered, the Brett Invicta range uses a specially formulated surface layer, AggTech®, which has been developed to deliver high performance with a stunning, individual aesthetic. Invicta has been developed to perform, using only the highest-quality materials. You'll appreciate its distinctive sparkle, and the colours in its range have been specifically developed to complement each other, enabling a flexibility of design like nothing else.

Lugano: Lugano showcases the beauty of natural granite and is available in three refreshing colours. Whether used individually or combined, they form stylish & durable urban environments, while Rosa adds a touch of colour into the design. Lugano's hard-wearing, textured surface provides a high level of slip resistance, making it ideal for applications where the aesthetic of natural granite is required but at a more economical price.

Certification

BES 6001 Responsible Sourcing of Concrete Products

ISO 9001 Quality Management.

ISO 14001 Environmental Management.

ISO 45001 Occupational Health and Safety Management.

CE Marking Contact us for Declaration of Performance (DOP) data. **UKCA Marking** Contact us for Declaration of Performance (DOP) data.











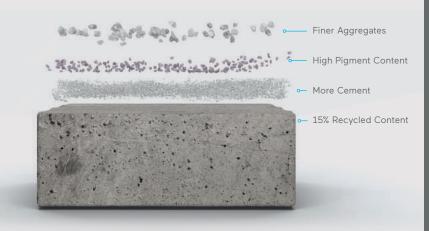




To ensure its long-life structural performance, Invicta's AggTech® surface layer includes more cement, a higher concentration of pigment for richer, more defined tones, and a finer cut of premium, globally sourced, specialist aggregates. Formed in unison to the coarse, robust sub-layer, results in an extremely strong and secure bond for the life of the paving.

Its surface layer features a minimal 3mm chamfer to the top edge of the block and is extremely hardwearing enabling it to shrug-off extreme weather and retain its vivid, brighter colours.

Tough and beautiful for longer



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Invicta Flow & Lugano Flow

A sustainable, permeable concrete block paving developed with striking, granite aesthetics.



FINISH SINGLE SIZE PACKS 80mm





PERMEABLE TRIO & SINGLE SIZE 80 & 60mm

PACKS 60 & 80 mm

Colours





































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FINISH









PERMEABLE TRIO & SINGLE SIZE 80 & 60mm PACKS 60 & 80 mm

We are industry leaders in the design and construction of sustainable, permeable block paving solutions.

Our attractive range of permeable paving incorporate a unique male and female interlocking nib design which maximises the structural integrity, whilst allowing surface water to drain through the joints at the surface of the pavement. This design ensures superior elastic modulus, enabling the blocks to securely interlock under heavy traffic loads while allowing efficient conveyance of surface water through the joints. The water is directed into the open graded subbase below, where it can be effectively managed, either infiltrating back into the ground or directed towards a sewer or other Sustainable Drainage

This makes our Flow paving ranges an ideal solution for trafficable pavement which includes driveways, patios and pavements through to car parking areas, adoptable carriageways and heavy duty commercial applications.

Industry Associations

Through our association with industry bodies which include Mineral Products Association Precast (MPA), British Standards Institute (BSI), Builders Merchants Federation (BMF) and the Association of SuDS Authorities (ASA), Brett have become a market leader and trusted advisor for the design and site support in the construction of Concrete Block Permeable Pavements.

Our Flow products support the industry recognised pillars of SuDS with concrete block permeable pavements being able to provide the whole source control solution to fit seamlessly into the surface water management train.

Do you need help designing cost-effective permeable pavements for SuDS applications? Use PermCalc.

Our experience and technical expertise has helped us be a trusted advisor to Local Authorities, Water Utility Companies, designers and contractors alike as we provide onsite support and maintenance advice to ensure these systems work as expected for the lifetime of the pavement. Our unique design tool PermCalc uses the methodology set out within the BS 7533 suite of standards to calculate both the structural and hydraulic requirements for your permeable pavement. Visit PermCalc at brettlandscaping.co.uk/professional/resources/permcalc/.

Explore our latest case studies.



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Technical Information

Invicta Block Paving								(co ₂)
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m²	m² Per Pack	Pack Weight (kg)	Pack Type	Per M2 (kg)
60	200 x 100	Pearl Moonstone Onyx Citrine	432	50	8.46	1300	Pallet	18.92 to 19.03
	210 x 140		288	34		1200		
	300 x 100		288	33.3		1300		
60 TRIO Pack includes all 3 sizes	105 x 140		108	68	9.53	1410		14.19 to 14.27
	140 x 140		162	51				
	210 x 140		162	34				
80	200 x 100		336	50	6.72	1327		18.92 to 19.03
	200 x 200		168	25		1327		
	300 x 100		224	33.33		1327		
	300 x 200		112	16.67		1328		
	600 x 200		56	8.33		1328		

Lugano Block Paving								(co ₂)
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m²	m² Per Pack	Pack Weight (kg)	Pack Type	Per M2 (kg)
60 TRIO Pack includes all 3 sizes (Poole)	105 x 140	Graphite Grey Misty Grey Rosa	108	68	8.47	1139	Pallet	
	140 x 140		108	51				16.63
	210 x 140		162	34				
60 TRIO Pack includes all 3 sizes (Cliffe)	105 x 140		108	68	9.53	1410		
	140 x 140		162	51				14.31
	210 x 140		162	34				
80 TRIO Pack includes all 3 sizes.	105 x 140		84	68	7.41	1460		19.08
	140 x 140		126	51				
	210 x 140		126	34				
80	105 x 140		420	68	6.17	1172		19.08 to 25.13
	140 x 140		336	51	6.59	1250		
	210 x 140		224	34				
	200 x 100		336	50	6.72	1327		
	300 x 200		112	16.66		1328		
	600 x 200		56	8.33		1328		

Permeable 'Flow' Block Paving: Invicta Flow & Lugano Flow								(co ₂)
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m²	m² Per Pack	Pack Weight (kg)	Pack Type	Per M2 (kg)
60 Invicta		Pearl Moonstone Onyx Citrine	288	50	8.64	1300	Pallet	13.64 to 13.72
80 Invicta			336		6.72	1266		18.18 to 18.29
60 Lugano	200 x 100	Graphite Grey Misty Grey Rosa	432		8.64	1300		14.31
80 Lugano (Cliffe)			336		6.72	1266		19.08
80 Lugano (Poole)			308		6.16	1102	Void	25.13



















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