

Invicta Technical Data Guide



Invicta

High performance, premium concrete modular paving with a striking granite effect finish.



60/80mm

DEPTH



Textured

FINISH



INVICTA 80mm



FLOW 80mm



TRIO 60mm

Colours



Onyx



Moonstone



Pearl



Citrine



FROST
RESISTANT



LIGHT*
TRAFFIC



HEAVY**
TRAFFIC



PEDESTRIAN
USE



HIGH
SLIP/SKID
RESISTANCE



AggTech
SURFACE
LAYER

*Light traffic suitable for Invicta TRIO 60mm and 600x200x80mm

**80mm up to and including 300x200 can be used in a flexible heavy duty application.

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Standards and Performance

Product Type	Precast Concrete Paving Blocks/Flags
Manufacturing Standard	BS EN 1338 : 2003 / BS EN 1339 : 2003
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	≤ 23 mm - Determined by Wide Wheel Abrasion Test
Durability	Class 3 $\leq 1,0$ kg/m ² with no individual result $\leq 1,5$ kg/m ²
Slip/Skid Resistance	Unpolished Slip Resistance Value ≥ 55 - Potential for slip - Low
Slip/Skid Resistance 600x200x80	≥ 55 - Potential for slip - Low
Reaction to Fire	Class A1 when used for internal flooring
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
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 according to ISO 14025:2011-10. To download the Environmental Product Declaration visit www.brettlandscaping.co.uk/download
BREEAM	<p>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.</p> <p>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.</p>

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Finishes

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.

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.



FROST
RESISTANT



LIGHT*
TRAFFIC



HEAVY**
TRAFFIC



PEDESTRIAN
USE



HIGH
SLIP/SKID
RESISTANCE



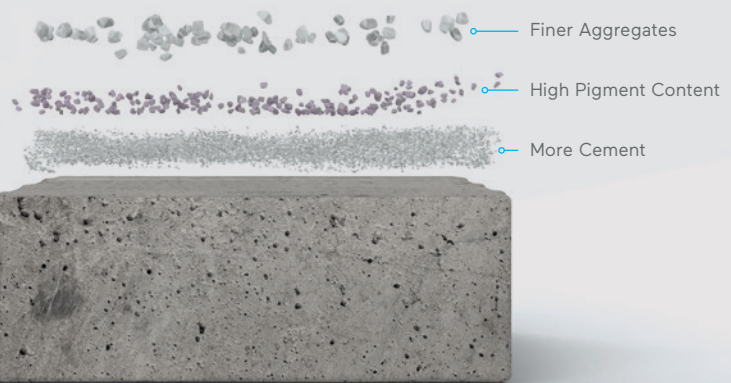
AggTech
SURFACE
LAYER



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 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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Stock Information

Invicta Block Paving							
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m ²	m ² Per Pack	Pack Weight (kg)	Pack Type
80	200 x 100	Pearl	336	50	6.72	1327	Pallet
	200 x 200	Moonstone	168	25			
	300 x 100	Onyx	224	33.33			
	300 x 200	Citrine	112	16.67			

Invicta Flag Paving							
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m ²	m ² Per Pack	Pack Weight (kg)	Pack Type
80	600 x 200	Pearl Moonstone Onyx Citrine	56	8.33	6.72	1328	Pallet

Invicta Flow Block Paving							
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m ²	m ² Per Pack	Pack Weight (kg)	Pack Type
80	215 x 115	Pearl Moonstone Onyx Citrine	336	50	6.72	1266	Pallet

Invicta TRIO Block Paving							
Depth (mm)	Size (mm)	Colours	No. Per Pack	No. Per m ²	m ² Per Pack	Pack Weight (kg)	Pack Type
60	105x140	Pearl	108	68	9.53	1410	Pallet
	140x140	Moonstone	162	51			
	210x140	Onyx Citrine	162	34			

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Possibilities, simply inspired.

All Brett Landscaping products, along with products from across the Brett Group, have been extensively tested and proven to conform to the relevant UK Standard(s). This is our customers' assurance that they are safe to use and fit for purpose.

Continue to be inspired. Get social and experience the possibilities of Brett products.

