

BOUNDARY

GLAZED PORCELAIN | FLOOR AND WALL TILES

STONE SELECT



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Est. 1901
**JOHNSON
TILES**

BOUNDARY

 **FIVE COLOURS**

 **TWO SIZES**

 **THREE FINISHES**

Boundary combines form and function with five muted tones and three finishes – Natural, Lapato and Natural+ 2cm. Natural is minimalist in its luxury; 2cm Natural+ provides a PTV 36+ slip resistance rating, ideal for commercial applications; and Lapato adds a semi-polished shine. Try in warm Earthtones or rich Storm for added impact.





Storm Lapato 600x600x9mm - BON05L



Castlerock Lapato 600x300x9mm - BON04L



Chalk Natural 600x600x9mm - BON03N

COLOURS AND PRODUCT CODES

V2: Low to Moderate Shade Variation



EARTHTONES PEI: III LRV: 18

Product Code: N BON01N + L BON01L



DUNE PEI: IV LRV: 40

Product Code: N BON02N + L BON02L



CHALK PEI: IV LRV: 55

Product Code: N BON03N + L BON03L

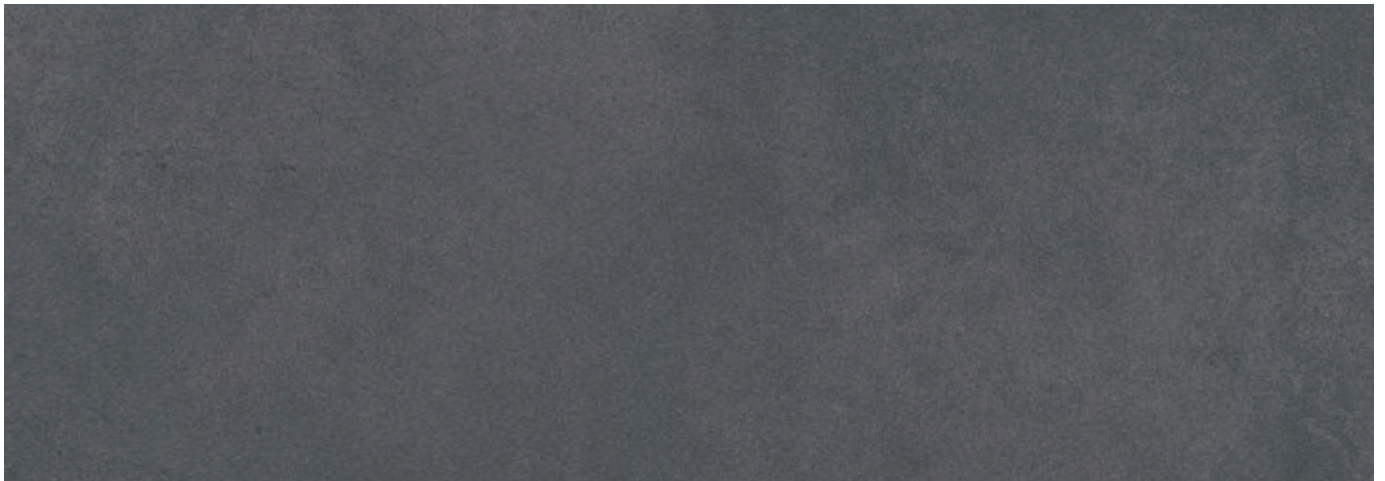
COLOURS AND PRODUCT CODES

V2: Low to Moderate Shade Variation



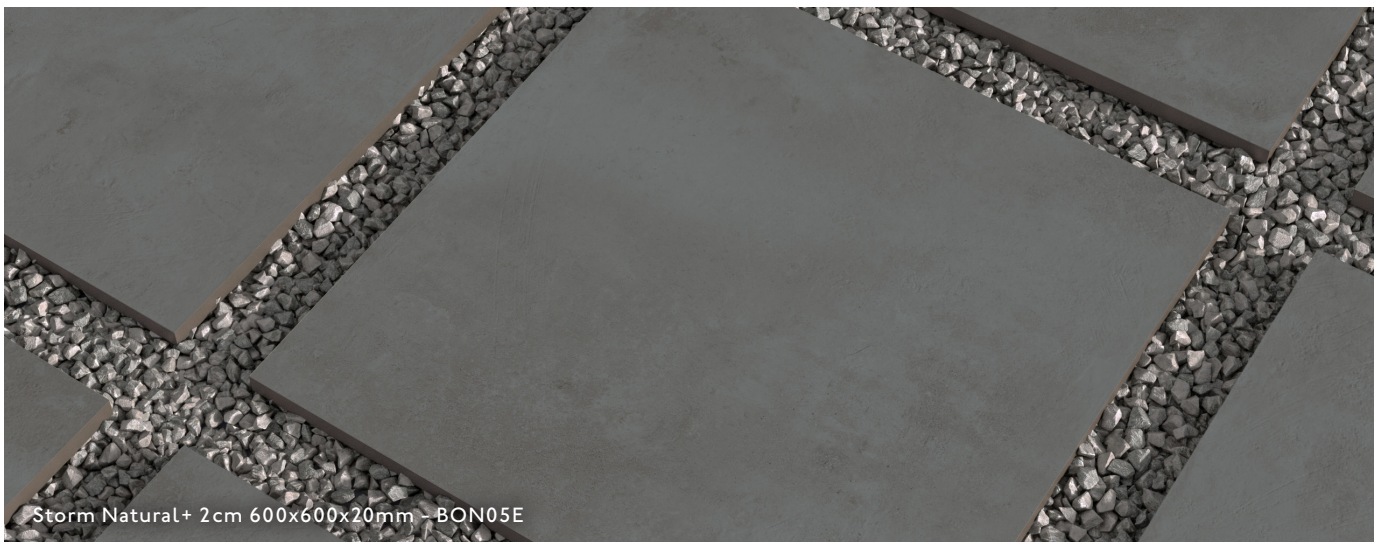
CASTLEROCK PEI: IV LRV: 24

Product Code: L BON04L + E BON04E



STORM PEI: III LRV: 11

Product Code: L BON05L + E BON05E



Storm Natural+ 2cm 600x600x20mm - BON05E

SIZE FORMATS AND AVAILABILITY

Size Options and Packing Information



#	Size Format	Thickness	Finish	Availability	Class	Pcs / Box	M ² / Box	Kg / Box
01	600x600mm	9mm	N Natural	Earthtones, Dune and Chalk Only	Bla	4 Tiles	1.44 m ²	28.00 kg
			L Lapato	Earthtones, Dune, Chalk and Storm Only	Bla	4 Tiles	1.44 m ²	28.00 kg
		20mm	E Natural+ 2cm	Castlerock and Storm Only	Bla	2 Tiles	0.72 m ²	33.44 kg
02	600x300mm	9mm	N Natural	Earthtones and Dune Only	Bla	8 Tiles	1.44 m ²	28.00 kg
			L Lapato	Earthtones, Dune, Chalk and Castlerock Only	Bla	8 Tiles	1.44 m ²	28.00 kg

Note: Glazed Porcelain / Bla tiles. For more information please see the suitability advice given in the technical section. All sizes indicated are metric modular. All sizes shown are nominal. For the most up-to-date size, colour and finish availability, please visit our website - www.johnson-tiles.com.






Chalk Lapato 600x300x9mm - BON03L




TECHNICAL SUPPORT

Specification, Sustainability and Important Information













Product Specification

Range Name	Finish	Wall Suitability	Floor Suitability	Wet Barefoot	Material / Class
Boundary	 Natural	Internal and External	Internal Only	-	Glazed Porcelain / Bla
	 Lapato	Internal and External	Internal Only	-	Glazed Porcelain / Bla
	 Natural+ 2cm	-	Internal and External	Yes	Glazed Porcelain / Bla

Floor Values

Finish	Colour	PTV (96)	PTV (55)	R Value	Wet Ramp	PEI	Traffic
 Natural	Earthtones	Wet 25 - 35	-	-	-	III	Light Commercial
	All Other Colours	Wet 25 - 35	-	-	-	IV	Commercial
 Lapato	Earthtones and Storm	Wet 0 - 24	-	-	-	III	Light Commercial
	All Other Colours	Wet 0 - 24	-	-	-	IV	Commercial
 Natural+ 2cm	Storm	Wet 36+	Wet 36+	R I I	-	III	Light Commercial
	All Other Colours	Wet 36+	Wet 36+	R I I	-	IV	Commercial

Physical Properties - Glazed Porcelain / Bla

Test and Standard	Requirement	Result	Test and Standard	Requirement	Result
 Length / Width EN ISO 10545-2	$\pm 0.6\% \leq \pm 2\text{mm}$	Pass	 Modulus of Rupture EN ISO 10545-4	Min. 35N / mm ²	Pass
 Thickness EN ISO 10545-2	$\pm 5\% \leq \pm 0.5\text{mm}$	Pass	 Thermal Shock EN ISO 10545-9	Pass	Pass
 Straightness of Side EN ISO 10545-2	$\pm 0.5\% \leq \pm 1.5\text{mm}$	Pass	 Frost Resistance EN ISO 10545-12	Resistant	Resistant
 Rectangularity EN ISO 10545-2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	 Chemical Resistance EN ISO 10545-13	Min. Class B	Pass
 Surface Flatness EN ISO 10545-2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	 Stain Resistance EN ISO 10545-14	Min. Class 3	Pass
 Water Absorption EN ISO 10545-3	$\leq 0.5\%$	Pass	 Fire Rating		Class A I FL Non Combustible

Sustainability Credentials

Range Name	Material / Class	EPD	Recycled Content - Tiles	Recycled Content - Packaging
Boundary	Glazed Porcelain / Bla	-	Up to 10%	Up to 100% (Boxes Only)

Note: Due to the manufacturing process of all floor tiles there may be small variations in slip resistance. Given this, please refer to our website for the most up-to-date information. The slip resistance properties of a surface can only be maintained with the implementation of an effective regular cleaning and maintenance regime. The frequency of cleaning should be determined by the property manager based on the potential level of surface contaminants. The need for an additional regular cleaning and maintenance regime is further heightened when tiles are used for external floor and wet barefoot applications. Please contact our technical helpline, or visit our website for specification and installation advice. All floor tiles shown in this literature achieve a PTV (96) Dry 36+ test result. PTV (96): Pendulum Test Value - 4S. PTV (55): Pendulum Test Value - TRL. R Value (DIN 51130). Wet Ramp (DIN 51097). PEI: Porcelain Enamel Institute. EPD: Environmental Product Declaration. CSV: Colour Shade Variation.

Important Information

During the manufacturing process of ceramic and porcelain tiles, some variation in shade and pattern can occur. Before fixing any tiles; several boxes should be opened and their contents mixed to ensure that size, colour and patterning are acceptable.

The tiles shown in this literature are quality products and conform to BS EN 14411 as shown in the physical properties listed above.

For a comprehensive colour, size, finish and availability overview along with full technical and sustainability information for all products shown, please visit our website - www.johnson-tiles.com

- All sizes listed are metric modular.
- For specific suitability details, please contact our technical advice helpline or use the email address provided.
- Johnson Tiles Limited cannot accept responsibility for any tiles that have already been fixed.
- Johnson Tiles Limited reserves the right to change specification and availability information without prior notice.
- Nothing in these statements does or will affect the statutory rights of the consumer.

All product technical values quoted in this literature are supported by laboratory testing from our own and independent ceramic test houses. Johnson Tiles Limited are British Standard registered. To find out more, please contact our technical advice helpline on +44 (0)1782 524 111 or email: technical@johnson-tiles.com.

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