

# BOUNDARY

GLAZED PORCELAIN | FLOOR & WALL TILES

STONE EFFECT TILES

SELECT



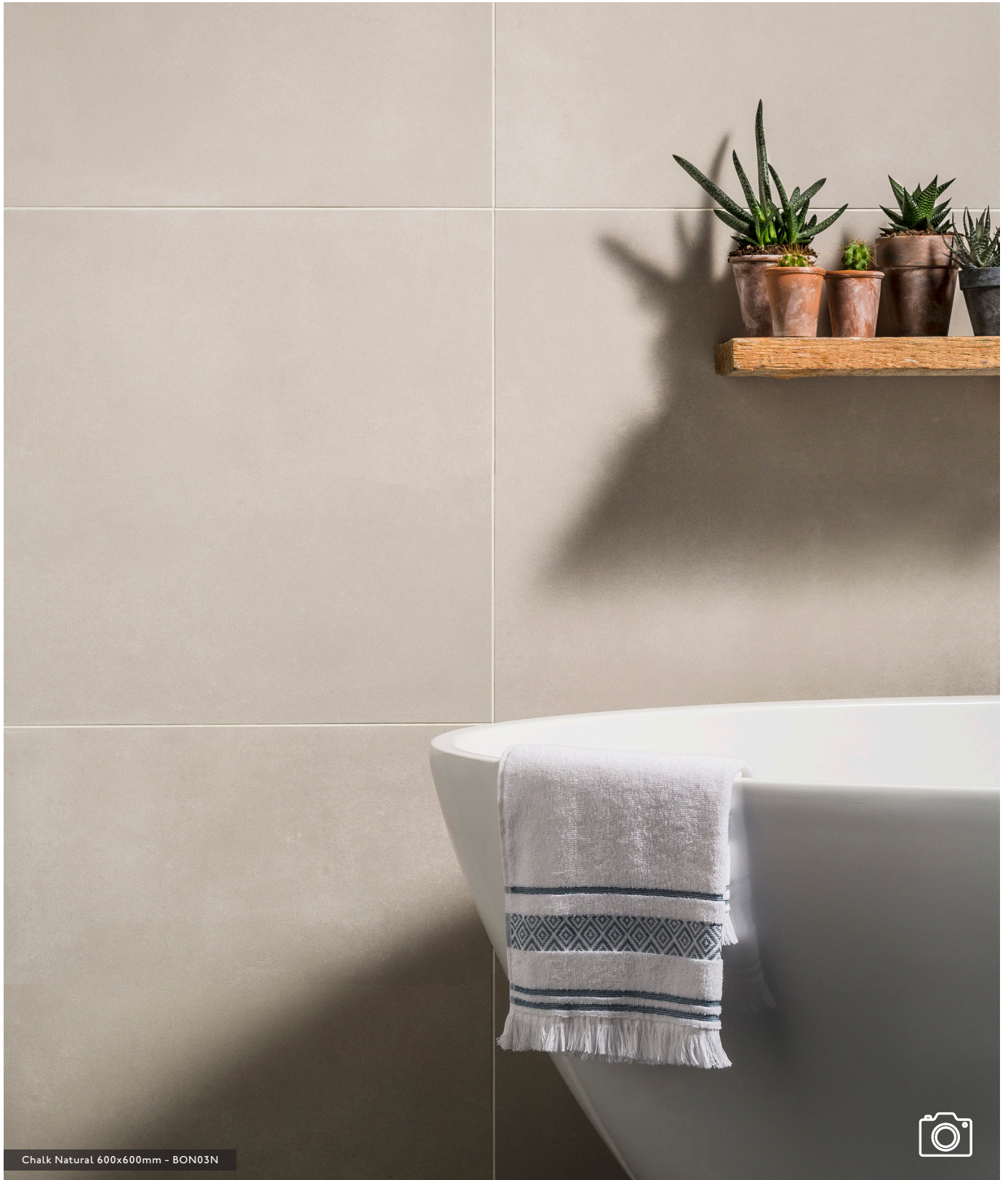
JOHNSON • TILES 

MADE IN THE UK SINCE 1901

# BOUNDARY

Boundary combines form and function with five muted tones and three finishes – Natural, 2cm Natural+ and Lapato. Natural is minimalist in its luxury; Natural+ 2cm 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

*Front Cover Image: Castlerock Lapato 600x300mm - BON04L*



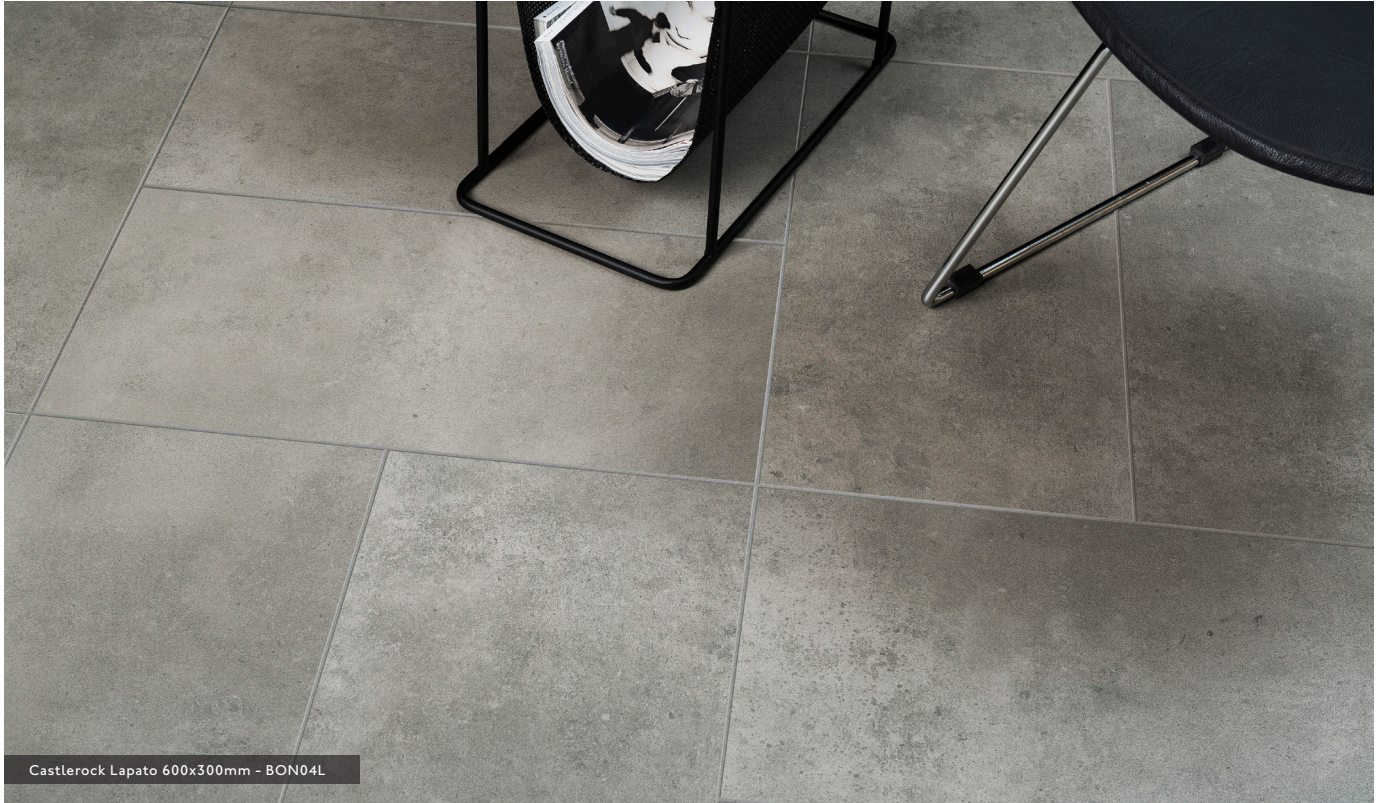
Chalk Natural 600x600mm - BON03N





## Roomset Photography

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Castlerock Lapato 600x300mm - BON04L



Earthtones Natural 600x600mm - BON01N



## Colours & Product Codes

V2: Low to Moderate Shade Variation



### EARTHTONES

**N** BON01N + **L** BON01L

**PEI: III** **LRV: 18**



### DUNE

**N** BON02N + **L** BON02L

**PEI: IV** **LRV: 40**



### CHALK

**N** BON03N + **L** BON03L

**PEI: IV** **LRV: 55**



### CASTLEROCK

**L** BON04L + **E** BON04E

**PEI: IV** **LRV: 24**



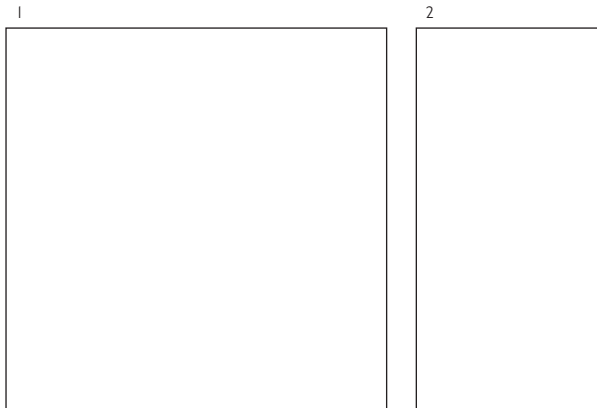
### STORM

**L** BON05L + **E** BON05E

**PEI: III** **LRV: 11**



## Sizes, Finishes & Availability



#	Size	Finish	Colour Availability	Thickness	Pieces/Box	Coverage/Box	Weight/Box
1	600x600mm	Natural	Earthtones, Dune & Chalk	9mm	4 Tiles	1.44 m <sup>2</sup>	28.00 kg
		Lapato	Earthtones, Dunes, Chalk & Storm	9mm	4 Tiles	1.44 m <sup>2</sup>	28.00 kg
		Natural+ 2cm	Castlerock & Storm	20mm	2 Tiles	0.72 m <sup>2</sup>	33.44 kg
2	600x300mm	Natural	Earthtones & Dune	9mm	8 Tiles	1.44 m <sup>2</sup>	28.00 kg
		Lapato	Earthtones, Dune, Chalk & Castlerock	9mm	8 Tiles	1.44 m <sup>2</sup>	28.00 kg

**Note:** All sizes indicated are metric modular. All dimensions are in millimetres. All sizes shown are nominal. For the most up-to-date availability information, please visit our website. All LRV results are from Johnson Tiles' internal test reports and are to be used for guidance only. LRV: Light Reflectance Value.



Dune Natural 600x600mm - BON02N



## Technical Data

### Specification

Range	Size	Wall Suitability	Floor Suitability	Wet Barefoot	CSV	Material
Boundary	All Sizes Shown <b>N</b>	Internal & External	Internal Only	-	V2	Glazed Porcelain [Bla]
Boundary	All Sizes Shown <b>L</b>	Internal & External	Internal Only	-	V2	Glazed Porcelain [Bla]
Boundary	600x600x20mm <b>E</b>	Internal & External	Internal & External	Yes	V2	Glazed Porcelain [Bla]

### Floor Values

Finish	Colour	PTV (4S)	PTV (TRL)	R Value	Wet Ramp	PEI	Traffic
<b>N</b> Natural	Earthtones	Dry 36+ Wet 25 - 35	-	-	-	III	Light Commercial
<b>N</b> Natural	All Other Colours	Dry 36+ Wet 25 - 35	-	-	-	IV	Commercial
<b>L</b> Lapato	Earthtones & Storm	Dry 36+ Wet 0 - 24	-	-	-	III	Light Commercial
<b>L</b> Lapato	All Other Colours	Dry 36+ Wet 0 - 24	-	-	-	IV	Commercial
<b>E</b> Natural+ 2cm	Storm	Dry 36+ Wet 36+	36+	R11	-	III	Light Commercial
<b>E</b> Natural+ 2cm	All Other Colours	Dry 36+ Wet 36+	36+	R11	-	IV	Commercial

**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. PTV: Pendulum Test Value.

### Physical Properties

Test/Standard	Requirement	Test Result	Test/Standard	Requirement	Test Result
<b>Length / Width</b> EN ISO 10545 - 2	$\pm 0.6\% \leq \pm 2\text{mm}$	Pass	<b>Modulus of Rupture</b> EN ISO 10545 - 4	Min. 35N / mm <sup>2</sup>	Pass
<b>Thickness</b> EN ISO 10545 - 2	$\pm 5\% \leq \pm 0.5\text{mm}$	Pass	<b>Thermal Shock</b> EN ISO 10545 - 9	Pass	Pass
<b>Straightness of Side</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 1.5\text{mm}$	$\pm 0.3\%$	<b>Frost Resistance</b> EN ISO 10545 - 12	Resistant	Resistant
<b>Rectangularity</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	$\pm 0.2\%$	<b>Chemical Resistance</b> EN ISO 10545 - 13	Min. Class B	Class A
<b>Surface Flatness</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	$\pm 0.2\%$	<b>Stain Resistance</b> EN ISO 10545 - 14	Min. Class 3	Class 5
<b>Water Absorption</b> EN ISO 10545 - 3	$\leq 0.5\%$	$\leq 0.1\%$	<b>Fire Rating</b>	-	Class A1 Fl. Non Combustible
<b>Weight / M<sup>2</sup></b>	<b>19.5 kg</b> 9mm thick	<b>46.31 kg</b> 20mm thick			

**Note:** All products are classed as Bla - Glazed Porcelain. All products conform to BS EN 14411.

### Sustainability Information

Range	Material	Recycled Content of the Tiles	Recycled Content of the Packaging	Recyclable Content of the Packaging	EPD	SKA Rating
Boundary	Glazed Porcelain [Bla]	Up to 10%	Up to 100% (Boxes)	Up to 100% (Boxes)	-	-

### Important Information

During the manufacturing process of ceramic, vitrified 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, shade and patterning are acceptable. The tiles shown are quality products and conform to the physical properties listed below.

- All sizes shown are metric modular.
- For specific suitability and fit-for-purpose details please contact our technical helpline.
- Johnson Tiles cannot accept responsibility for any tiles that have been fixed.
- Every effort has been made to ensure the accuracy of the information given.
- Johnson Tiles reserves the right to change specifications and availability without prior notice.
- Nothing in these statements does or will affect the statutory rights of the consumer.

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For more information about Boundary or  
any of our other product ranges simply visit  
**[www.johnson-tiles.com](http://www.johnson-tiles.com)** |      

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