

# MINERALS

PORCELAIN & CERAMIC | FLOOR & WALL TILES

STONE

2CM

MOSAICS

ABSOLUTE



JOHNSON • TILES 

MADE IN THE UK SINCE 1901



# MINERALS

Minerals offers an on-trend colour palette of 7 neutral shades from Chalk to Charcoal, showcasing an elegant stone effect, perfect for tranquil spaces. Varied finishes include Natural, Bush Hammered, Grip and Grip+ 2cm to deliver on performance. With a wide selection of 10 sizes available, ranging from strips of 600x50mm all the way up to 2700x1200mm, Minerals is versatile in its applications, with co-ordinating mosaics and skirtings also featured.

*Front Cover Image: Charcoal Natural 2700x1200mm - MIN07N.*



Charcoal Grip 1200x1200mm - MIN07G







## Roomset Photography





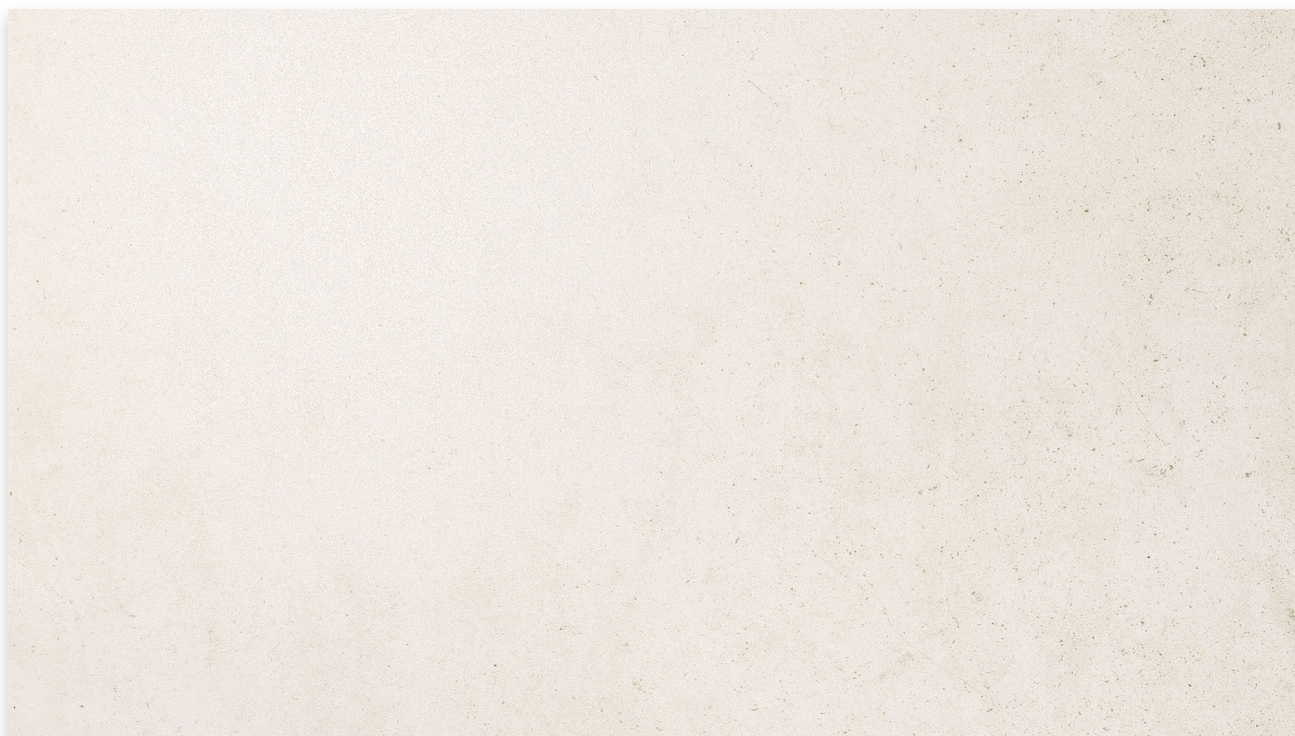






## Colours & Product Codes

V2: Low to Moderate Shade Variation



**CHALK** LRV: 68

Product Codes (All Sizes): **N** MIN01N + **N** MIN1DN Ductile + **G** MIN01G + **B** MIN01B + **E** MIN01E 2cm

Mosaic Product Codes (All Sizes): **N** MIN1NM + **G** MIN1GM + **B** MIN1BM



**DOLOMITE** LRV: 53

Product Codes (All Sizes): **N** MIN02N + **N** MIN2DN Ductile + **G** MIN02G + **B** MIN02B + **E** MIN02E 2cm

Mosaic Product Codes (All Sizes): **N** MIN2NM + **G** MIN2GM + **B** MIN2BM





**LIMESTONE** LRV: 41

Product Codes (All Sizes): **N** MIN03N + **N** MIN3DN Ductile + **G** MIN03G + **B** MIN03B + **E** MIN03E 2cm

Mosaic Product Codes (All Sizes): **N** MIN3NM + **G** MIN3GM + **B** MIN3BM



**PEBBLE** LRV: 42

Product Codes (All Sizes): **N** MIN06N + **N** MIN6DN Ductile + **G** MIN06G + **B** MIN06B + **E** MIN06E 2cm

Mosaic Product Codes (All Sizes): **N** MIN6NM + **G** MIN6GM + **B** MIN6BM





**FLINT** LRV: 32

Product Codes (All Sizes): **N** MIN04N + **N** MIN4DN Ductile + **G** MIN04G + **B** MIN04B + **E** MIN04E 2cm

Mosaic Product Codes (All Sizes): **N** MIN4NM + **G** MIN4GM + **B** MIN4BM



**SLATE** LRV: 18

Product Codes (All Sizes): **N** MIN05N + **N** MIN5DN Ductile + **G** MIN05G + **B** MIN05B

Mosaic Product Codes (All Sizes): **N** MIN5NM + **G** MIN5GM + **B** MIN5BM





**CHARCOAL** LRV: 11

Product Codes (All Sizes): **N** MIN07N + **N** MIN7DN Ductile + **G** MIN07G + **B** MIN07B

Mosaic Product Codes (All Sizes): **N** MIN7NM + **G** MIN7GM + **B** MIN7BM



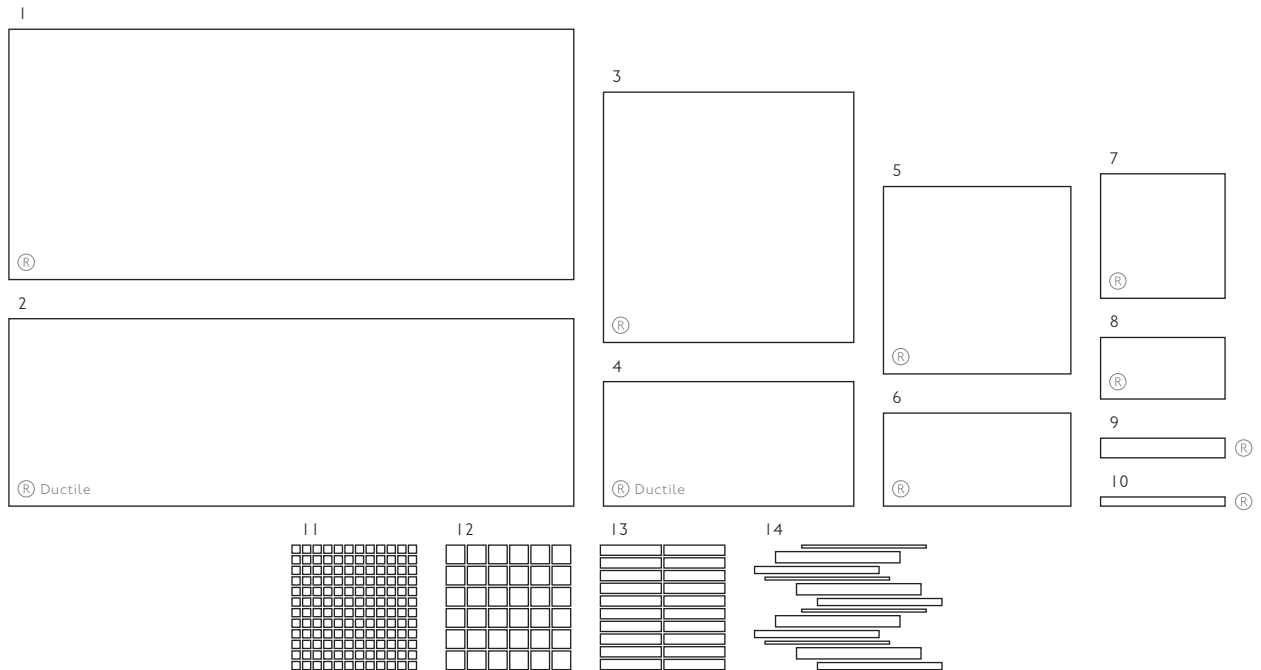
Limestone Natural | 200x1200mm - MIN03N







## Size Formats Finishes & Availability



#	Sizes	Finish Type	Colour Availability	Thickness	Pz / Box	M2 / Box	Kg / Box
1	2700x1200mm	(N) Only	All Colours Shown	6mm	1 Tile	3.23 m <sup>2</sup>	45.50 kg
2	2700x900mm	(N) Ductile	All Colours Shown	6mm	1 Tile	2.42 m <sup>2</sup>	29.04 kg
3	1200x1200mm	(N) + (G) + (B)	All Colours Shown	9mm	1 Tile	1.44 m <sup>2</sup>	30.50 kg
		(E) 2cm	01, 02, 03, 04 & 06 Only	20mm	1 Tile	1.44 m <sup>2</sup>	66.02 kg
4	1200x600mm	(N) + (G) + (B)	All Colours Shown	9mm	2 Tiles	1.43 m <sup>2</sup>	30.32 kg
		(N) Ductile	All Colours Shown	6mm	3 Tiles	2.16 m <sup>2</sup>	25.80 kg
5	900x900mm	(N) + (G) + (B)	All Colours Shown	9mm	2 Tiles	1.62 m <sup>2</sup>	34.00 kg
		(E) 2cm	01, 02, 03, 04 & 06 Only	20mm	1 Tile	0.81 m <sup>2</sup>	37.09 kg
6	900x450mm	(N) + (G) + (B)	All Colours Shown	9mm	3 Tiles	1.21 m <sup>2</sup>	25.50 kg
7	600x600mm	(N) + (G) + (B)	All Colours Shown	9mm	3 Tiles	1.07 m <sup>2</sup>	23.22 kg
8	600x300mm	(N) + (G) + (B)	All Colours Shown	9mm	6 Tiles	1.07 m <sup>2</sup>	22.00 kg
9	600x100mm	(N) + (G) + (B)	All Colours Shown	9mm	10 Tiles	0.59 m <sup>2</sup>	13.30 kg
10	600x50mm	(N) + (G) + (B)	All Colours Shown	9mm	20 Tiles	0.57 m <sup>2</sup>	13.20 kg

#	Mosaics	Finish Type	Colour Availability	Thickness	Pz / Box	M2 / Box	Kg / Box
11	25x25mm Square Mosaic Sheet: 300x300mm	(N) + (G) + (B)	All Colours Shown	9mm	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
12	50x50mm Square Mosaic Sheet: 300x300mm	(N) + (G) + (B)	All Colours Shown	9mm	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
13	150x30mm Strips Mosaic Sheet: 300x300mm	(N) + (G) + (B)	All Colours Shown	9mm	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
14	Mixed Strips Mosaic Sheet: 450x300mm	(N) + (G) + (B)	All Colours Shown	9mm	5 Sheets	0.44 m <sup>2</sup>	9.00 kg

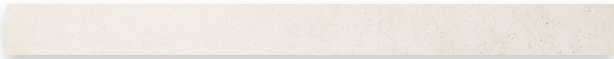
Key to Finishes: (N) Natural (G) Grip (B) Bush Hammered (E) Grip+ 2cm

**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. (R) Rectified Edge  
Ductile - 6mm thick tiles are classed as Ceramic [BIII] and are suitable for internal and external wall applications only.



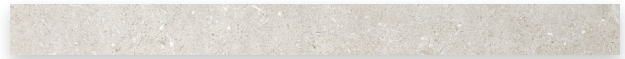


## Additional Fittings Finishes & Availability



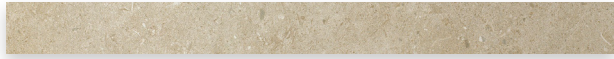
**CHALK** LRV: 68

Skirting Product Codes (All Sizes): **[N]** MIN1NS + **[B]** MIN1BS



**DOLOMITE** LRV: 53

Skirting Product Codes (All Sizes): **[N]** MIN2NS + **[B]** MIN2BS



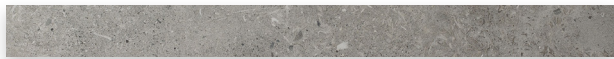
**LIMESTONE** LRV: 41

Skirting Product Codes (All Sizes): **[N]** MIN3NS + **[B]** MIN3BS



**PEBBLE** LRV: 42

Skirting Product Codes (All Sizes): **[N]** MIN6NS + **[B]** MIN6BS



**FLINT** LRV: 32

Skirting Product Codes (All Sizes): **[N]** MIN4NS + **[B]** MIN4BS



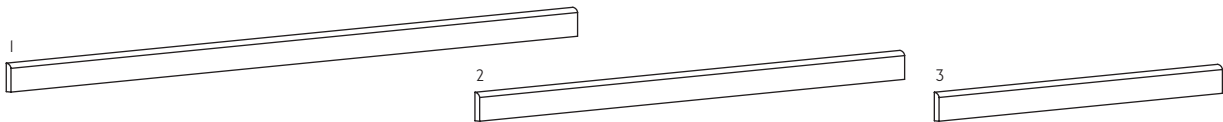
**SLATE** LRV: 18

Skirting Product Codes (All Sizes): **[N]** MIN5NS + **[B]** MIN5BS



**CHARCOAL** LRV: 11

Skirting Product Codes (All Sizes): **[N]** MIN7NS + **[B]** MIN7BS



#	Fittings	Finish Type	Colour Availability	Thickness	Pz / Box	Lm / Box	Kg / Box
1	1200x50mm Bevel Top Skirting	<b>[N]</b> + <b>[B]</b>	All Colours Shown	9mm	5 Tiles	6.00 Lm	7.00 kg
2	900x50mm Bevel Top Skirting	<b>[N]</b> + <b>[B]</b>	All Colours Shown	9mm	5 Tiles	4.50 Lm	5.50 kg
3	600x50mm Bevel Top Skirting	<b>[N]</b> + <b>[B]</b>	All Colours Shown	9mm	5 Tiles	3.00 Lm	3.00 kg

Key to Finishes: **[N]** Natural **[B]** Bush Hammered

**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.



Slate Natural 900x900mm - MIN05N







## Technical Information

### Specification

Range	Size / Finish	Wall Suitability	Floor Suitability	Wet Barefoot	CSV	Material
Minerals	All Sizes Shown <b>[N]</b>	Internal & External	Internal Only	-	V2	Porcelain [Bla]
	All Sizes Shown <b>[G]</b>	Internal & External	Internal & External	Yes	V2	Porcelain [Bla]
	All Sizes Shown <b>[B]</b>	Internal & External	Internal & External	Yes	V2	Porcelain [Bla]
	All Sizes Shown <b>[E]</b>	Internal & External	Internal & External	Yes	V2	Porcelain [Bla]
Minerals Ductile	All Sizes Shown <b>[N]</b>	Internal Only	-	-	V2	Ceramic [BIII]

### Floor Values

Finish	Colour	PTV (4S)	PTV (TRL)	R Value	Wet Ramp	PEI	Traffic
<b>[N]</b> Natural	All Colours Shown	Dry 36+ Wet 25 - 35	-	R9	A	-	Commercial
<b>[G]</b> Grip	All Colours Shown	Dry 36+ Wet 36+	Wet 36+	R11	C	-	Commercial
<b>[B]</b> Bush Hammered	All Colours Shown	Dry 36+ Wet 36+	Wet 36+	R10	B	-	Commercial
<b>[E]</b> Grip+ 2cm	All Colours Shown	Dry 36+ Wet 36+	Wet 36+	R11	C	-	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. CSV: Colour Shade Variation. PTV (4S): Pendulum Test Value - Slider 96. PTV (TRL): Pendulum Test Value - Slider 55. R Value (DIN 51130). Wet Ramp (DIN 51097). PEI: Porcelain Enamel Institute.

### Physical Properties - Porcelain [Bla]

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>	$\geq 52\text{N} / \text{mm}^2$
<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	$\pm 0.5\% \leq \pm 1.5\text{mm}$	Pass	<b>Frost Resistance</b> EN ISO 10545 - 12	Resistant	Resistant
<b>Rectangularity</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	<b>Chemical Resistance</b> EN ISO 10545 - 13	Min. Class B	Pass
<b>Surface Flatness</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	<b>Stain Resistance</b> EN ISO 10545 - 14	Min. Class 3	Class 5
<b>Water Absorption</b> EN ISO 10545 - 3	$\leq 0.5\%$	$\leq 0.5\%$	<b>Fire Rating</b>	-	Class A I <sub>FL</sub> Non Combustible
<b>Weight / M<sup>2</sup></b>	14.09 kg 6mm thick	21.19 kg 9mm thick	45.85 kg 20mm thick		

### Physical Properties - Ceramic [BIII] Ductile

Test / Standard	Requirement	Test Result	Test / Standard	Requirement	Test Result
<b>Length / Width</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	<b>Modulus of Rupture</b> EN ISO 10545 - 4	Min. 15N / mm <sup>2</sup>	$\geq 20\text{N} / \text{mm}^2$
<b>Thickness</b> EN ISO 10545 - 2	$\pm 10\% \leq \pm 0.5\text{mm}$	Pass	<b>Thermal Shock</b> EN ISO 10545 - 9	Pass	Pass
<b>Straightness of Side</b> EN ISO 10545 - 2	$\pm 0.3\% \leq \pm 1.5\text{mm}$	Pass	<b>Frost Resistance</b> EN ISO 10545 - 12	-	Not Suitable
<b>Rectangularity</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	<b>Chemical Resistance</b> EN ISO 10545 - 13	Min. Class B	Class A
<b>Surface Flatness</b> EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	<b>Stain Resistance</b> EN ISO 10545 - 14	Min. Class 3	Class 5
<b>Water Absorption</b> EN ISO 10545 - 3	10% to 20%	10% to 20%	<b>Fire Rating</b>	-	Class A I Non Combustible
<b>Weight / M<sup>2</sup></b>	10.68 kg 6mm thick Ductile				

**Note:** All Porcelain [Bla] and Ceramic [BIII] Ductile products listed in this overview conform to BS EN 14411.



## Sustainability Information

Range	Material	EPD	Recycled Content of the Tiles	Recycled Content of the Packaging	Recyclable Content of the Packaging
Minerals	Porcelain [BIa]	Yes	Up to 30%	Up to 100% (Boxes)	Up to 100% (Boxes)
Minerals Ductile	Ceramic [BIII]	Yes	Up to 30%	Up to 100% (Boxes)	Up to 100% (Boxes)

**Note:** EPD: Environmental Product Declaration for the products shown in this overview can be found on the Minerals pages on our website.

## 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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Limestone Natural 2700x1200mm - MIN03N







## Product Notes

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Handwriting practice area with 25 horizontal dashed lines.



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

#### **Where To Find Us**

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