MINERALS

PORCELAIN & CERAMIC | FLOOR & WALL TILES

STONE 2CM MOSAICS ABSOLUTE

UP TO 30% RECYCLED CONTENT

epd

36+ PTV (4S) RATING

36+ PTV (TRL) RATING

2cm PRODUCTS

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 2cm Grip+ 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

Pebble Bush Hammered 600x600mm - MIN06B

Chalk Natural 2700x900mm Ductile - MIN1DN

Dolomite Natural 900x450mm - MIN02N

Pebble Grip 2700x1200mm - MIN06G

Chalk Natural Mixed Strips Mosaic 450x300mm - MIN11NM

Limestone Grip 1200x600mm - MIN03G

Dolomite Natural 2700x1200mm - MIN02N

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

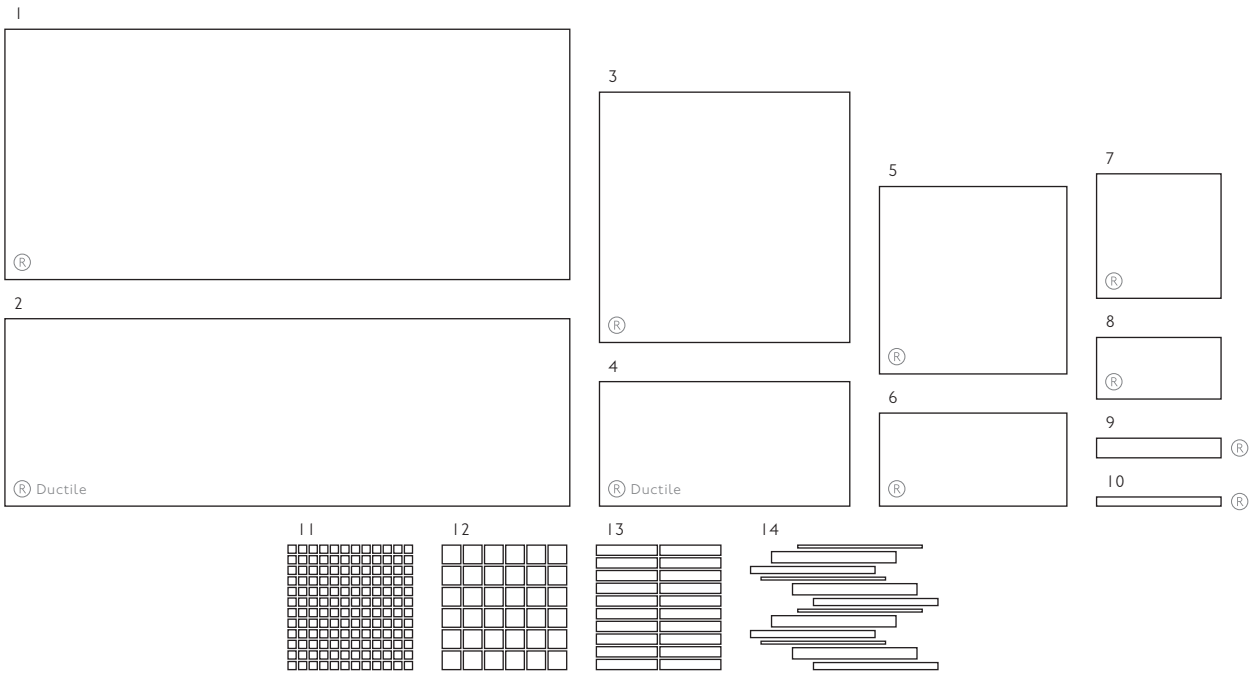
CHARCOAL LRV: 11

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 1200x1200mm - MIN03N

Size Formats
Finishes & Availability



#	Sizes	Finish Type	Colour Availability	Thickness	Pz / Box	M2 / Box	Kg / Box
1	2700x1200mm	Ⓝ Only	All Colours Shown	6mm	1 Tile	3.23 m²	45.50 kg
2	2700x900mm	Ⓝ Ductile	All Colours Shown	6mm	1 Tile	2.42 m²	29.04 kg
3	1200x1200mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	1 Tile	1.44 m²	30.50 kg
		Ⓔ 2cm	01, 02, 03, 04 & 06 Only	20mm	1 Tile	1.44 m²	66.02 kg
4	1200x600mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	2 Tiles	1.43 m²	30.32 kg
		Ⓝ Ductile	All Colours Shown	6mm	3 Tiles	2.16 m²	25.80 kg
5	900x900mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	1 Tile	0.81 m²	17.00 kg
		Ⓔ 2cm	01, 02, 03, 04 & 06 Only	20mm	1 Tile	0.81 m²	37.09 kg
6	900x450mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	3 Tiles	1.21 m²	25.50 kg
7	600x600mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	3 Tiles	1.07 m²	23.22 kg
8	600x300mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	6 Tiles	1.07 m²	22.00 kg
9	600x100mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	10 Tiles	0.59 m²	13.30 kg
10	600x50mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	20 Tiles	0.57 m²	13.20 kg

#	Mosaics	Finish Type	Colour Availability	Thickness	Pz / Box	M2 / Box	Kg / Box
11	25x25mm Square Mosaic Sheet: 300x300mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	5 Sheets	0.44 m²	9.00 kg
12	50x50mm Square Mosaic Sheet: 300x300mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	5 Sheets	0.44 m²	9.00 kg
13	150x30mm Strips Mosaic Sheet: 300x300mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	5 Sheets	0.44 m²	9.00 kg
14	Mixed Strips Mosaic Sheet: 450x300mm	Ⓝ + Ⓖ + Ⓑ	All Colours Shown	9mm	5 Sheets	0.44 m²	9.00 kg

Key to Finishes: Ⓝ Natural Ⓖ Grip Ⓑ Bush Hammered Ⓔ 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. Ⓡ 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) MIN11NS + (B) MIN11BS

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

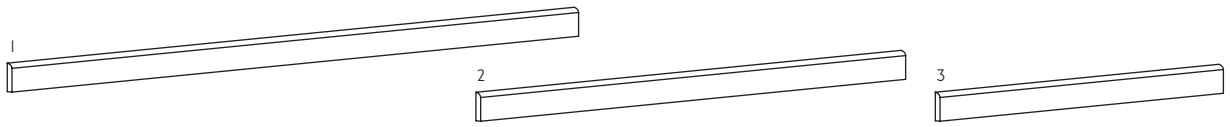
Skirting Product Codes (All Sizes): (N) MIN4NS + (B) MIN4BS

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	(N) + (B)	All Colours Shown	9mm	5 Tiles	6.00 lm	7.00 kg
2	900x50mm Bevel Top Skirting	(N) + (B)	All Colours Shown	9mm	5 Tiles	4.50 lm	5.50 kg
3	600x50mm Bevel Top Skirting	(N) + (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 (N)	Internal & External	Internal Only	-	V2	Porcelain [BIa]
	All Sizes Shown (G)	Internal & External	Internal & External	Yes	V2	Porcelain [BIa]
	All Sizes Shown (B)	Internal & External	Internal & External	Yes	V2	Porcelain [BIa]
	All Sizes Shown (E)	Internal & External	Internal & External	Yes	V2	Porcelain [BIa]
Minerals Ductile	All Sizes Shown (N)	Internal Only	-	-	V2	Ceramic [BIII]

Floor Values

Finish	Colour	PTV (4S)	PTV (TRL)	R Value	Wet Ramp	PEI	Traffic
(N) Natural	All Colours Shown	Dry 36+ Wet 25 - 35	-	R9	A	-	Commercial
(G) Grip	All Colours Shown	Dry 36+ Wet 36+	Wet 36+	R11	C	-	Commercial
(B) Bush Hammered	All Colours Shown	Dry 36+ Wet 36+	Wet 36+	R10	B	-	Commercial
(E) 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 [BIa]

Test / Standard	Requirement	Test Result	Test / Standard	Requirement	Test Result
Length / Width EN ISO 10545 - 2	± 0.6% ≤ ± 2mm	**Pass**	Modulus of Rupture EN ISO 10545 - 4	Min. 35N / mm²	**≥ 52N / mm²**
Thickness EN ISO 10545 - 2	± 5% ≤ ± 0.5mm	**Pass**	Thermal Shock EN ISO 10545 - 9	Pass	**Pass**
Straightness of Side EN ISO 10545 - 2	± 0.5% ≤ ± 1.5mm	**Pass**	Frost Resistance EN ISO 10545 - 12	Resistant	**Resistant**
Rectangularity EN ISO 10545 - 2	± 0.5% ≤ ± 2mm	**Pass**	Chemical Resistance EN ISO 10545 - 13	Min. Class B	**Pass**
Surface Flatness EN ISO 10545 - 2	± 0.5% ≤ ± 0.5mm	**Pass**	Stain Resistance EN ISO 10545 - 14	Min. Class 3	**Class 5**
Water Absorption EN ISO 10545 - 3	≤ 0.5%	**≤ 0.5%**	Fire Rating	-	**Class A1 FL Non Combustible**
Weight / M²	**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
Length / Width EN ISO 10545 - 2	± 0.5% ≤ ± 2mm	**Pass**	Modulus of Rupture EN ISO 10545 - 4	Min. 15N / mm²	**≥ 20N / mm²**
Thickness EN ISO 10545 - 2	± 10% ≤ ± 0.5mm	**Pass**	Thermal Shock EN ISO 10545 - 9	Pass	**Pass**
Straightness of Side EN ISO 10545 - 2	± 0.3% ≤ ± 1.5mm	**Pass**	Frost Resistance EN ISO 10545 - 12	-	**Not Suitable**
Rectangularity EN ISO 10545 - 2	± 0.5% ≤ ± 2mm	**Pass**	Chemical Resistance EN ISO 10545 - 13	Min. Class B	**Class A**
Surface Flatness EN ISO 10545 - 2	± 0.5% ≤ ± 2mm	**Pass**	Stain Resistance EN ISO 10545 - 14	Min. Class 3	**Class 5**
Water Absorption EN ISO 10545 - 3	10% to 20%	**10% to 20%**	Fire Rating	-	**Class A1 Non Combustible**
Weight / M²	**10.68 kg** 6mm thick Ductile				

Note: All Porcelain [BIa] 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 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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bsi. ISO 9001 Quality Management FM26818

bsi. ISO 14001 Environmental Management EMS40817

Limestone Natural 2700x1200mm - MIN03N

Product Notes

For more information about Minerals or any of our other product ranges simply visit

www.johnson-tiles.com

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JOHNSON · TILES
MADE IN THE UK SINCE 1901