

# REFINE

PORCELAIN AND CERAMIC | FLOOR AND WALL TILES

STONE STRUCTURE MOSAIC ABSOLUTE



[www.johnson-tiles.com](http://www.johnson-tiles.com)

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Est. 1901  
**JOHNSON  
TILES**

# REFINE



**FOUR COLOURS**



**FOURTEEN SIZES**



**THREE FINISHES**

Taking inspiration from the natural characteristics of stone, Refine offers four colours from the warm, sandy undertones of Dune to the deep, gunmetal grey of Basalt. Natural and Grip finishes are available in all four colour-ways, with the Grip providing a PTV 36+ slip resistance rating, ideal for commercial installations. A Grip+ 2cm option is also featured in Dune and Pewter in 900x900mm and 1200x1200mm, perfect for extending tiling outdoors. Experiment with ten different size options and four décor mosaics to choose from.

The architectural Refine wall tile collection provides a classic palette of four natural tones. Understated colours are paired with geometric designs to create a striking combination, featuring three profiles: Peak, Calm, and Prints. Peak showcases chevron patterning, with Calm and Prints featuring linear structures. Explore the possibilities with horizontal or vertical lay patterns.







Wall: Pewter PEak Natural 900x300x11 mm - REF02K  
Floor: Pewter Natural 900x900x9mm - REF02N



Wall: Basalt Print Natural 900x300x11 mm - REF04P  
Floor: Basalt Natural 900x900x9mm - REF04N



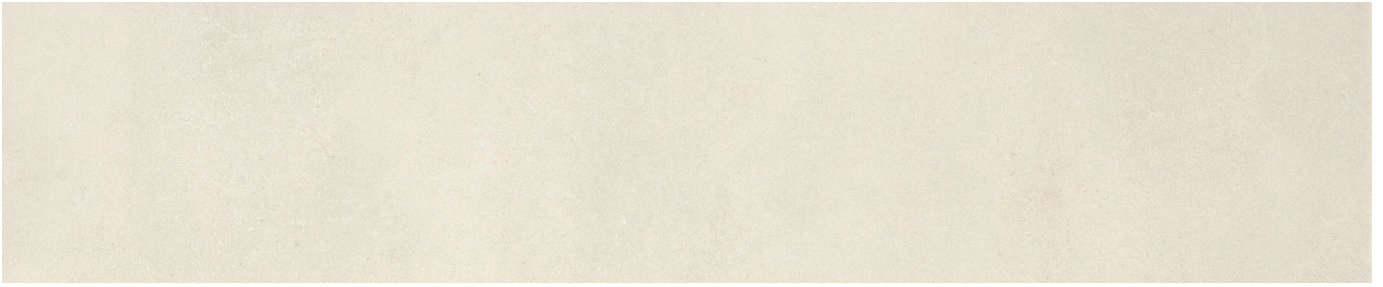
Wall: Dune Print Natural 900x300x11 mm - REF01P  
Floor: Dune Natural 900x900x9mm - REF01N



# COLOURS AND PRODUCT CODES

V2: Low to Moderate Shade Variation

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## DUNE LRV: 62

Product Code (Bla): N REF01N + G REF01G + E REF01E | Product Code (BIII Ductile): N REF1DN

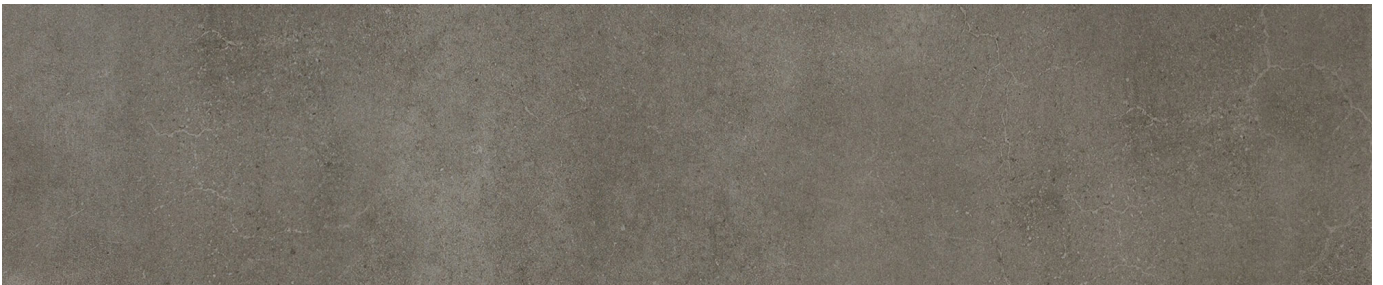
Mosaic Code (Bla): N REF1NM + G REF1GM | Fitting Code (Bla): N REF1NS



## PEWTER LRV: 29

Product Code (Bla): N REF02N + G REF02G + E REF02E | Product Code (BIII Ductile): N REF2DN

Mosaic Code (Bla): N REF2NM + G REF2GM | Fitting Code (Bla): N REF2NS



## LAVASTONE LRV: 18

Product Code (Bla): N REF03N + G REF03G | Product Code (BIII Ductile): N REF3DN

Mosaic Code (Bla): N REF3NM + G REF3GM | Fitting Code (Bla): N REF3NS



## BASALT LRV: 19

Product Code (Bla): N REF04N + G REF04G | Product Code (BIII Ductile): N REF4DN

Mosaic Code (Bla): N REF4NM + G REF4GM | Fitting Code (Bla): N REF4NS



# COLOURS AND PRODUCT CODES

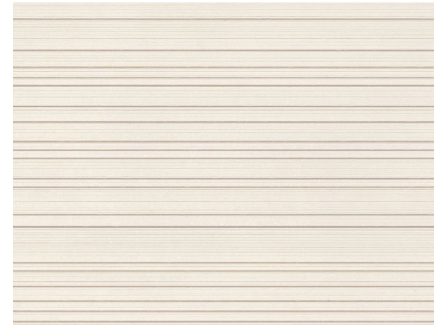
V2: Low to Moderate Shade Variation



**DUNE - CALM** LRV: 62  
Product Code (Bill): N REF01C



**DUNE - PEAK** LRV: 62  
Product Code (Bill): N REF01K



**DUNE - PRINT** LRV: 62  
Product Code (Bill): N REF01P



**PEWTER - CALM** LRV: 29  
Product Code (Bill): N REF02C



**PEWTER - PEAK** LRV: 29  
Product Code (Bill): N REF02K



**PEWTER - PRINT** LRV: 29  
Product Code (Bill): N REF02P



**LAVASTONE - CALM** LRV: 18  
Product Code (Bill): N REF03C



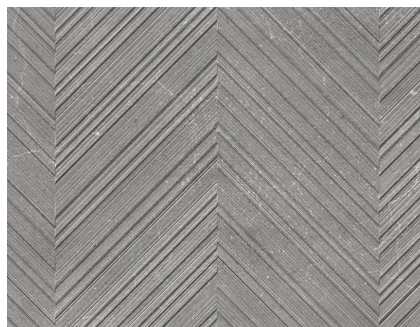
**LAVASTONE - PEAK** LRV: 18  
Product Code (Bill): N REF03K



**LAVASTONE - PRINT** LRV: 18  
Product Code (Bill): N REF03P



**BASALT - CALM** LRV: 19  
Product Code (Bill): N REF04C



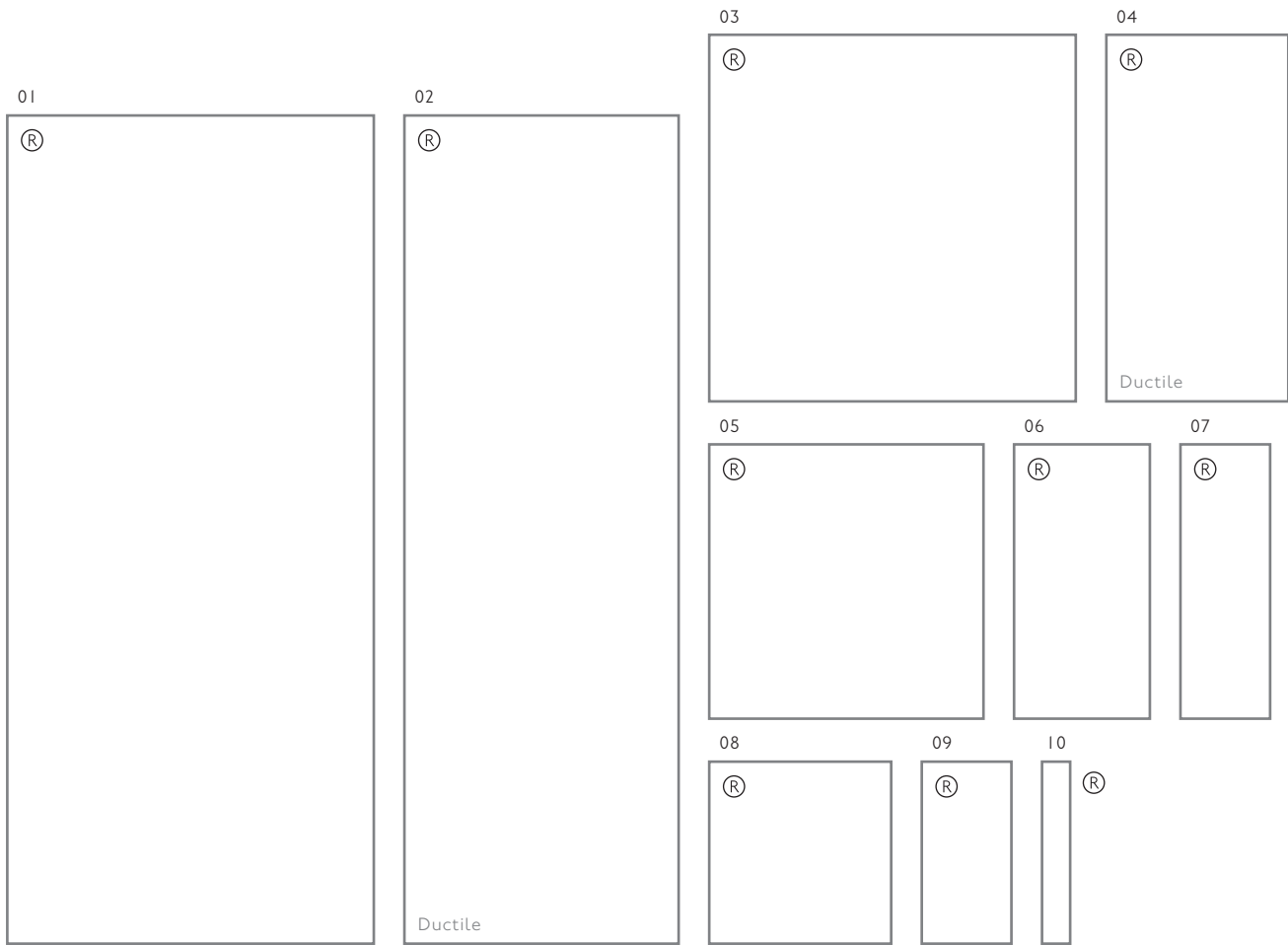
**BASALT - PEAK** LRV: 19  
Product Code (Bill): N REF04K



**BASALT - PRINT** LRV: 19  
Product Code (Bill): N REF04P

# SIZE FORMATS AND AVAILABILITY

Size Options and Packing Information



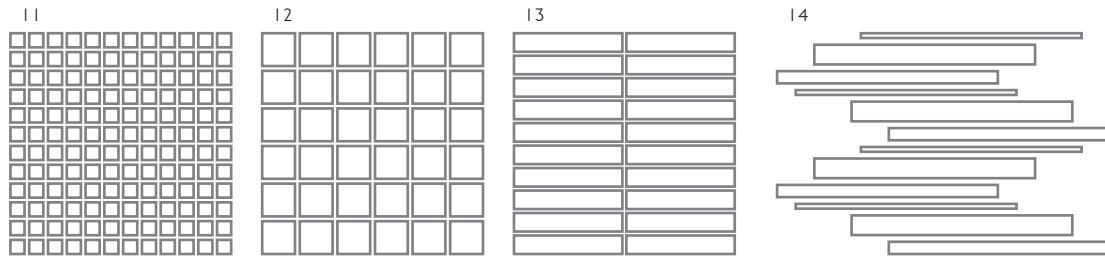
#	Size Format	Thickness	Finish	Structure	Availability	Class	Pcs / Box	M <sup>2</sup> / Box	Kg / Box
01	2700x1200mm	6mm	<b>N</b> Natural	-	All Colours Shown	Bla	1 Tile	3.23 m <sup>2</sup>	45.50 kg
02	2700x900mm	6mm Ductile	<b>N</b> Natural	-	All Colours Shown	Bill	1 Tile	2.42 m <sup>2</sup>	29.04 kg
03	1200x1200mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	1 Tile	1.44 m <sup>2</sup>	30.50 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	1 Tile	1.44 m <sup>2</sup>	30.50 kg
04	1200x600mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	2 Tiles	1.44 m <sup>2</sup>	30.32 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	2 Tiles	1.44 m <sup>2</sup>	30.32 kg
		6mm Ductile	<b>N</b> Natural	-	All Colours Shown	Bill	3 Tiles	2.16 m <sup>2</sup>	25.80 kg
05	900x900mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	2 Tiles	1.62 m <sup>2</sup>	34.00 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	2 Tiles	1.62 m <sup>2</sup>	34.00 kg
06	900x450mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	3 Tiles	1.21 m <sup>2</sup>	25.50 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	3 Tiles	1.21 m <sup>2</sup>	25.50 kg
07	900x300mm	11mm	<b>N</b> Natural	Calm	All Colours Shown	Bill	4 Tiles	1.07 m <sup>2</sup>	17.60 kg
				Peak	All Colours Shown	Bill	4 Tiles	1.07 m <sup>2</sup>	17.60 kg
				Print	All Colours Shown	Bill	4 Tiles	1.07 m <sup>2</sup>	17.60 kg
08	600x600mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	3 Tiles	1.08 m <sup>2</sup>	23.22 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	3 Tiles	1.08 m <sup>2</sup>	23.22 kg
09	600x300mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	6 Tiles	1.08 m <sup>2</sup>	22.00 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	6 Tiles	1.08 m <sup>2</sup>	22.00 kg
10	600x100mm	9mm	<b>N</b> Natural	-	All Colours Shown	Bla	10 Tiles	0.59 m <sup>2</sup>	13.30 kg
			<b>G</b> Grip	-	All Colours Shown	Bla	10 Tiles	0.59 m <sup>2</sup>	13.30 kg

**Note:** Porcelain / Bla and Ceramic / Bill 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](http://www.johnson-tiles.com). (R) Rectified Edge.



# SIZE FORMATS AND AVAILABILITY

Size Options and Packing Information



#	Size Format	Thickness	Finish	Structure	Availability	Class	Pcs / Box	M <sup>2</sup> / Box	Kg / Box
11	300x300mm Square Mosaic	9mm	Natural	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
			Grip	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
12	300x300mm Square Mosaic	9mm	Natural	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
			Grip	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
13	300x300mm Strip Mosaic	9mm	Natural	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
			Grip	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
14	450x300mm Strip Mosaic	9mm	Natural	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg
			Grip	-	All Colours Shown	Bla	5 Sheets	0.44 m <sup>2</sup>	9.00 kg

#	Fittings	Thickness	Finish	Structure	Availability	Class	Pcs / Box	Lm / Box	Kg / Box
15	1200x50mm B/T Skirting	9mm	Natural	-	All Colours Shown	Bla	5 Tiles	6.00 lm	7.00 kg
16	900x50mm B/T Skirting	9mm	Natural	-	All Colours Shown	Bla	5 Tiles	4.50 lm	5.50 kg
17	600x50mm B/T Skirting	9mm	Natural	-	All Colours Shown	Bla	5 Tiles	3.00 lm	3.00 kg

Note: Porcelain / Bla and Ceramic / Bill 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](http://www.johnson-tiles.com). (R) Rectified Edge.



Pewter Peak Natural 900x300x11mm - REF02K

# TECHNICAL SUPPORT

Specification, Sustainability and Important Information

## Product Specification

Range Name	Finish	Wall Suitability	Floor Suitability	Wet Barefoot	Material / Class
Refine	Natural	Internal and External	Internal Only	-	Porcelain / Bla
	Grip	Internal and External	Internal and External	Yes	Porcelain / Bla
	Grip+ 2cm	-	Internal and External	Yes	Porcelain / Bla
	Natural	Internal Only	-	-	Ceramic / BIII

## Floor Values

Finish	Colour	PTV (96)	PTV (55)	R Value	Wet Ramp	PEI	Traffic
Natural	All Colours Shown	Wet 25 - 35	-	R9	A	-	Commercial
Grip	All Colours Shown	Wet 36+	Wet 36+	R11	C	-	Commercial
Grip+ 2cm	All Colours Shown	Wet 36+	Wet 36+	R11	C	-	Commercial

## Physical Properties - 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 <sup>2</sup>	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 <sub>FL</sub> Non Combustible

## Physical Properties - Ceramic / BIII

Test and Standard	Requirement	Result	Test and Standard	Requirement	Result
Length / Width EN ISO 10545-2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass	Modulus of Rupture EN ISO 10545-4	Min. 15N / mm <sup>2</sup>	Pass
Thickness EN ISO 10545-2	$\pm 10\% \leq \pm 0.5\text{mm}$	Pass	Thermal Shock EN ISO 10545-9	Pass	Pass
Straightness of Side EN ISO 10545-2	$\pm 0.3\% \leq \pm 1.5\text{mm}$	Pass	Frost Resistance EN ISO 10545-12	-	Not Suitable
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	10% to 20%	Pass	Fire Rating		Class A I Non Combustible

## Sustainability Credentials

Range Name	Material / Class	EPD	Recycled Content - Tiles	Recycled Content - Packaging
Refine	Glazed Porcelain / Bla	Yes	Up to 30%	Up to 100% (Boxes Only)
	Glazed Ceramic / BIII	Yes	Up to 30%	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.



# TECHNICAL SUPPORT

Specification, Sustainability and Important Information

## 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](http://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](mailto:technical@johnson-tiles.com).



Lavastone Calm Natural 900x300x11mm - MIN03C  
Lavastone Peak Natural 900x300x11mm - MIN03K

## WHERE TO FIND US

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[www.johnson-tiles.com](http://www.johnson-tiles.com)

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Email: [info@material-lab.co.uk](mailto:info@material-lab.co.uk)  
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### Factory Outlet

Tel: +44 (0)1782 524 040  
Email: [foutlet@johnson-tiles.com](mailto:foutlet@johnson-tiles.com)  
[www.outlet.johnson-tiles.com](http://www.outlet.johnson-tiles.com)

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### Customer Services

Tel: +44 (0)1782 524 000  
Email: [sales@johnson-tiles.com](mailto:sales@johnson-tiles.com)  
8:30am - 4:30pm (Monday - Friday)

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### Order A Sample

Tel: +44 (0)1782 524 043  
Email: [samples@johnson-tiles.com](mailto:samples@johnson-tiles.com)

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### Technical Advice Helpline

Tel: +44 (0)1782 524 111  
Email: [technical@johnson-tiles.com](mailto:technical@johnson-tiles.com)

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Updated: December 2024



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