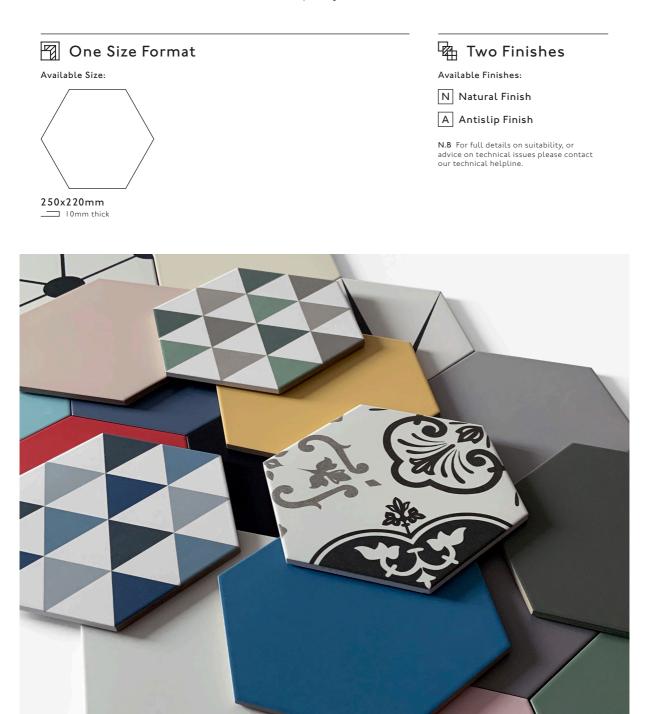


JOHNSON •TILES Since 1901

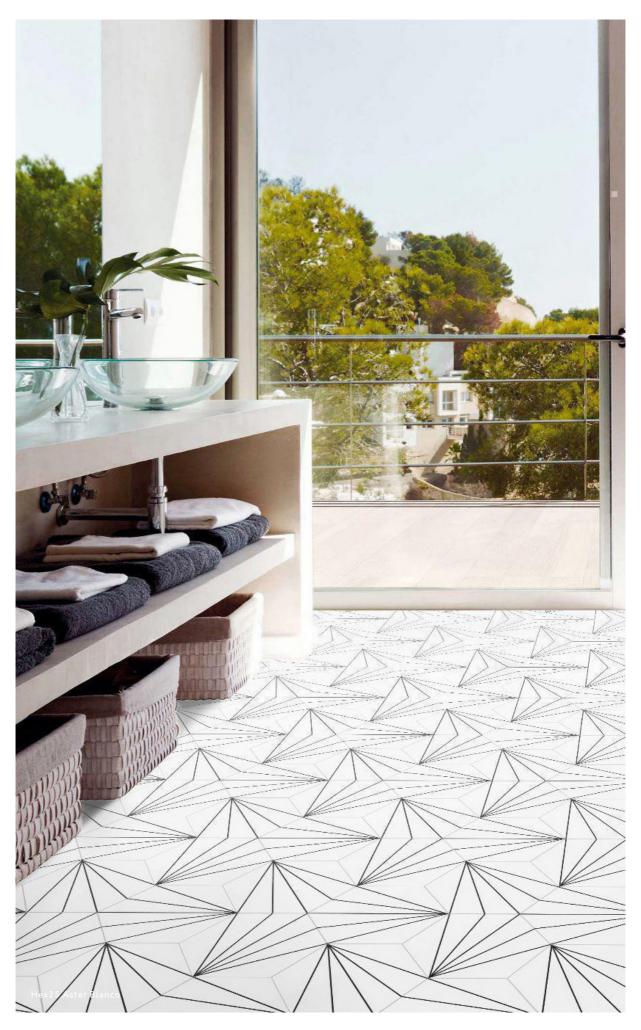




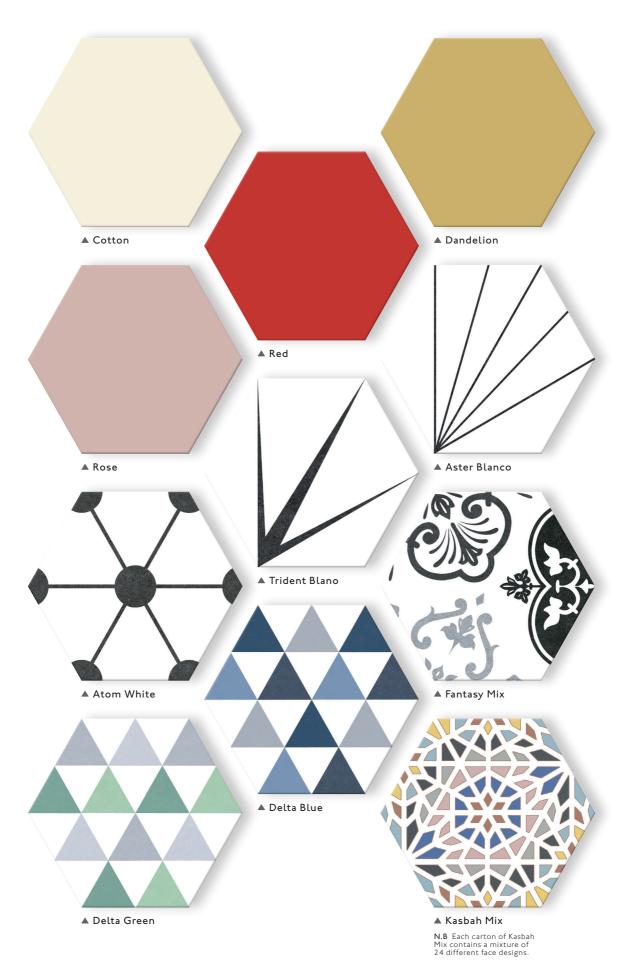
Create statement surfaces with our **Hex25** glazed porcelain tiles. With fifteen contemporary colours and seven décor options to choose from; all of which are available in single size 250x220mm hexagon format. **Hex25** offers a stylish collection of wall and floor products, perfect for both residential and commercial projects.



JOHNSON TILES







🕑 Availability					
			_	_	
Size	Finish	Black	Grey	Silver	White
250x220x10mm Hexagon	N Natural Finish	HEXOIF	HEX02F	HEX03F	HEX04F
				-	
Size	Finish	Blue	Aqua	Kale	Forest
250x220x10mm Hexagon	N Natural Finish	HEX05F	HEX06F	HEX07F	HEX08F
				-	
Size	Finish	Moss	Cotton	Mid Blue	Red
250x220x10mm Hexagon	N Natural Finish	HEX09F	HEXIOF	HEXIIF	HEX12F
Size	Finish	Dandelion	Nude	Rose	
Size 250x220x10mm Hexagon	Finish	Dandelion HEX13F	Nude HEX14F	Rose HEX15F	
					W.(
				HEXISF	
		HEX13F	HEX I 4F	HEX I 5F	Fantasy
250x220x10mm Hexagon	N Natural Finish	HEX13F	HEX14F	HEXI5F	Fantasy Mix
250x220x10mm Hexagon	N Natural Finish	HEX13F	HEX I 4F	HEX I 5F	Fantasy
250x220x10mm Hexagon	N Natural Finish	HEX13F	HEX14F	HEXI5F	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix
250x220x10mm Hexagon	N Natural Finish	HEX13F	HEX14F	HEXI5F	Fantasy Mix HEX19F
250x220x10mm Hexagon Size 250x220x10mm Hexagon	N Natural Finish Finish N N Natural Finish	HEX I 3F Aster Blanco HEX I 6F	HEX14F	HEX15F Atom White HEX18F	Fantasy Mix HEX19F N.B Each carton of Kasbah Mix contains a mixture of 24
250x220x10mm Hexagon	N Natural Finish	HEX13F	HEX14F	HEXI5F	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face
250x220x10mm Hexagon Size 250x220x10mm Hexagon	N Natural Finish Finish N N Natural Finish	HEX I 3F Aster Blanco HEX I 6F	HEX14F	HEXISF Atom White HEXI8F Kasbah	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face
250x220x10mm Hexagon Size Size Size	N Natural Finish Finish N N Natural Finish	HEX I 3F Aster Blanco HEX I 6F Delta Blue	HEX14F	HEXISF Atom White HEXI8F Kasbah Mix	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face
250x220x10mm Hexagon Size Size Size	N Natural Finish Finish N N Natural Finish	HEX I 3F Aster Blanco HEX I 6F Delta Blue	HEX14F	HEXISF Atom White HEXI8F Kasbah Mix	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face
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250x220x10mm Hexagon Size Size Size	N Natural Finish Finish N N Natural Finish	HEX I 3F Aster Blanco HEX I 6F Delta Blue	HEX14F	HEXISF Atom White HEXI8F Kasbah Mix	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face
250x220x10mmHexagon Size 250x220x10mmHexagon Size 250x220x10mmHexagon	N Natural Finish Finish N Natural Finish N Natural Finish	HEXI3F Aster Blanco HEX16F Delta Blue HEX20F	HEX14F L L L L L L L L L L L L L L L L L L	HEXISF Atom White HEXI8F Kasbah Mix HEX22F	Fantasy Mix HEX 19F N.B Each carton of Kasbah Mix contains a mixture of 24 different face

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com



(i) Technical Information

Specification

Size	Wall Usage	Floor Usage	CSV	Material
250x220x10mm Hexagon	Internal & External	Internal	VI	Glazed Porcelain [BIa]

Floor Values - Natural Finish

Colour	Pendulum 4S	R Value	Wet Ramp	Wet Barefoot	PEI	Traffic
Black, Kale, Moss, Mid Blue & Red	Dry 36+ Wet 0 - 24	R9	-	-	Ш	Light Commercial
All Other Colours	Dry 36+ Wet 0 - 24	R9	-	-	IV	Commercial

Floor Values - Antislip Finish

Colour	Pendulum 4S	R Value	Wet Ramp	Wet Barefoot	PEI	Traffic
Black	Dry 36+ Wet 36+	R I 0	-	-	Ш	Light Commercial
All Other Colours	Dry 36+ Wet 36+	RI0	-	-	IV	Commercial

N.B Due to the manufacturing process of all floor tiles there may be small variations in slip resistance. Given this, please refer to our website or call our technical helpline for the most up-to-date information.

Colour Notations

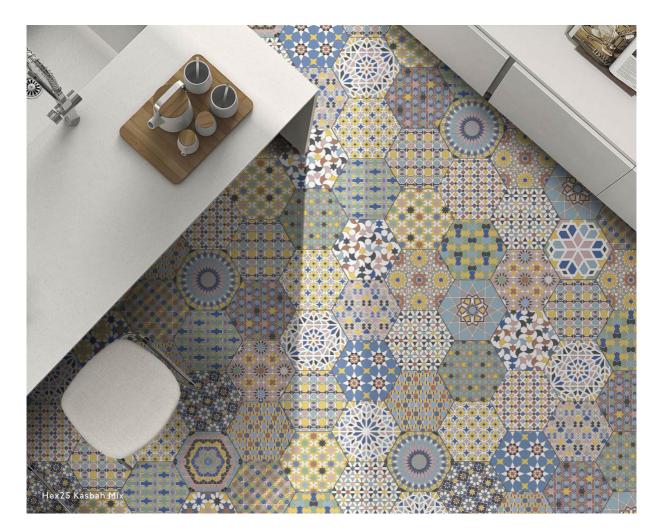
Colour	Code	NCS	LRV
Aqua	HEX06F	2002-B30G	48
Black	HEXOIF/IA	8500-N	6
Blue	HEX05F	4030-R90B	2
Cotton	HEXIOF	1005-YI0R	72
Dandelion	HEX I 3F	2040-Y	47
Forest	HEX08F	5010-G30Y	23
Grey	HEX02F	5502-R	2
Kale	HEX07F	5005-G20Y	24
Mid Blue	HEXIIF	6010-R70B	١6
Moss	HEX09F	6502-Y	16
Nude	HEX I 4F	2010-Y60R	50
Red	HEX I 2F	2060-Y90R	19
Rose	HEX I 5F	5 5-R 0B	53
Silver	HEX03F / 3A	4000-N	34
White	HEX04F / 4A	1002-G50Y	74

Due to the colour variation of HEX16F Aster Blanco, HEX17F Trident Blanco, HEX18F Atom White, HEX19F Fantasy Mix, HEX20F Delta Blue, HEX21F Delta Green and HEX22F Kasbah Mix, accurate Light Reflectance values and Colour Notations cannot be calculated. For further information, please contact our Technical Helpline.

Physical Properties

Tes	st	Standard	Requirements	Typical Test Result
	Length / Width	EN ISO 10545 - 2	±0.6% ≤ ±2mm	Pass
↓	Thickness	EN ISO 10545 - 2	±5% ≤ ±0.5mm	Pass
+	Straightness of Side	EN ISO 10545 - 2	±0.5% ≤ ±1.5mm	Pass
	Rectangularity	EN ISO 10545 - 2	±0.5% ≤ ±2mm	Pass
$[] \downarrow \\ \uparrow \uparrow$	Surface Flatness	EN ISO 10545 - 2	±5% ≤ ±0.5mm	Pass
\bigcirc	Water Absorption	EN ISO 10545 - 3	≤ 0.5%	≤ 0.5%
	Modulus of Rupture	EN ISO 10545 - 4	Min 35N / mm²	≥ 35N / mm²
灘	Thermal Shock	EN ISO 10545 - 9	Pass	Pass
*	Frost Resistance	EN ISO 10545 - 12	Resistant	Resistant
Ä	Chemical Resistance	EN ISO 0545 - 3	Min Class B	Pass
	Stain Resistance	EN ISO 10545 - 14	Min Class 3	Class 3
	Fire Rating			Class AIFL Non Combustible
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	UV Colour Resistance			Unaffected by Light
kg	Weight / m²			21kg (250x220x10mm Hexagon)

N.B Classed as Bla products (Glazed Porcelain). All products conform to BS EN 14411.



# Detailed information on **specification**, **floor values**, **colour notations** and **physical properties**.

# Colour Shade Variation

Colour Shade Variation (CSV) values are assigned to wall and floor tiles within this booklet. These values are to be used for guidance only. Shade, colour and pattern variation are inherent characteristics of all ceramic, vitrified and porcelain tiles. Before fixing, several cartons should be opened and their contents mixed to ensure that the shade variation and/or patterning are acceptable. CSV: Colour Shade Variation is split into four categories:

.....

#### VI (Low Shade Variation)



Least possible shade variation between tiles in a box. When installed and mixed correctly the effect is a consistent overall appearance.

#### V2 (Low to Moderate Shade Variation)



Low to moderate shade variation within a box. When installed and mixed correctly the effect is a finish with subtle shade differences. These differences are a design feature of V2 rated tiles.

## V3 (Moderate to High Shade Variation)



Considerable shade variation within a box. When installed and mixed correctly the effect is a finish with a high degree of shade variation. These differences are a design feature of V3 rated tiles.

#### V4 (High Shade Variation)



Highest possible shade variation within a box. Colours vary from tile to tile and when mixed and fixed correctly create a high degree of shade variation. This high shade variation is a design feature of V4 rated tiles.

# Pendulum 4S Results

The standard and preferred Health and Safety Executive (HSE) test method for the assessment of floor slipperiness in dry and contaminated conditions. This portable test can be used to test floor products in the laboratory or in-situ and uses a swinging test apparatus, which simulates the act of walking over the flooring materials.

The 4S Slider 96 (Pendulum 4S) replicates typical shod trafficking. Products are tested dry and with a water lubricant and are then classed into one of the following three groups as an indication of their suitability:

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# 0 - 24 (High Slip Potential)

25 - 35 (Moderate Slip Potential)

36+ (Low Slip Potential)

# **R** Values

Ramp test DIN51130 (R Value) is used to assess floor materials for wet shod foot trafficked areas. R Values are split into five categories:

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# R9 (6° to 10°)

Entrances and stairways accessed from outside, restaurants, shops, hospitals, clinic, schools etc.

### RIO (10° to 19°)

Shared toilets and showers, small kitchens in restaurants and cafés, garages and basements etc.

#### RII (19° to 27°)

Food production facilities; mid sized kitchens in restaurants and cafés, working environments where there is a lot of water, laboratories, laundries, hangers etc.

#### RI2 (27° to 35°)

Production facilities for foods rich in fats; such as dairy products, food oils and cured meats, large kitchens in restaurants and cafés, industrial areas where slippery substances are used etc.

#### RI3 (>35°)

Areas where large quantities of fats are used; food processing areas etc.

## Wet Ramp

Ramp test DIN51097 (Wet Ramp) is used to assess floor materials for wet barefoot conditions. Wet ramp results are split into three categories:

Class A (12° to 17°)

Dry areas including dry changing room areas, dry barefoot corridors etc.

#### Class B (18° to 23°)

Same as Class A with the addition of swimming pool surrounds, communal showers, pool beach areas, disinfectant spray areas, wet changing room areas etc.

#### Class C (>23°)

Same as Class A and Class B with the addition of swimming pool surround inclines, walk through pools, jacuzzi floors and seats, inclined pool edges and steps etc.

# PEI Ratings and Traffic

Porcelain Enamel Institute (PEI) ratings refer to the surface abrasion resistance of a glazed floor tile. The test is only used for glazed tiles through body porcelain and un-glazed porcelain are tested using the EN ISO 10545-6 Deep Abrasion Test. PEI's are split into five categories:

# PEI I (Light Domestic Traffic)

Floors walked on with soft soled footwear with no scratching dirt - for example; residential bathrooms without direct outside access, en-suite bathrooms etc.

#### PEI II (Domestic Traffic)

Floors walked on with soft soled or normal footwear with occasional small amounts of scratching dirt - for example rooms in living areas of home, but not kitchens.

#### PEI III (Light Commercial Traffic)

Floors walked on with normal footwear with small amounts of scratching dirt - for example; residential halls, corridors, kitchens or conservatories.

#### PEI IV (Commercial Traffic)

Floors walked on by regular traffic with the presence of some scratching dirt but more severe than PEI III's - for example; hotels, restaurants and shops without direct external access.

#### PEI V (Heavy Commercial Traffic)

Floors subject to severe pedestrian traffic over sustained periods with the presence of some scratching dirt - for example, shopping centres, hotel foyers, commercial floors, institutional uses etc.

# Light Reflectance Values

LRV is a general term for contrast and is measured as the proportion of useful light reflected by a coloured object, floor, wall or ceiling. LRV is measured on a scale of 0 to 100 where 0 is perfect black and 100 is perfect white.

The current guidelines from Building Regulations Approved Document M on contrast are that a minimum difference of 30 LRV points should be specified for adjacent surfaces to ensure that visually impaired people are not discriminated against.



Colours are notated by the Natural Colour System (NCS).

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## About Us

Established in 1901, Johnson Tiles are the leading manufacturer of ceramic tiles in the UK. Our experienced design team travels the world to source products to enhance our portfolio. We are also one of the greenest companies in the UK.

With over 100 years of experience, Johnson Tiles has a long history of market leadership. With a dedicated in-house design team and UK based production facilities, Johnson Tiles continues to deliver distinctive new products servicing both the contract and retail markets internationally, all of which is underpinned by our award-winning quality and environmental systems. Within the contract market, our experience, service and product range covers all aspects of public and private specifications, from architects and designers through house builders, contractors and distributors.

Our tiles have been used on both small and large contracts for housing projects, schools, universities, hotels, hospitals, industrial developments and the leisure industry. Within the retail market we design and manufacture products for both independent and multiple retailers. We offer the widest choice of 'on trend' products, backed up by industry-leading logistics and service.

Johnson Tiles is a division of Norcros Group (Holdings) Limited, Ladyfield House, Station Road, Wilmslow, Cheshire, SK9 IBU.

Registered in England No. 566694

## Important Information

During the manufacturing process of ceramic, vitrified and porcelain tiles, some variation in shade or pattern can occur. Before fixing any tiles, several cartons should be opened and their contents mixed, to ensure that the size, shade, colour and patterning are acceptable. The tiles shown in the booklet are quality products and conform to the physical properties listed in this booklet.

- For specific suitability and fit-for-purpose details, 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 in this booklet.
- In the interest of progress, 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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Front Cover Image: Hex25 Delta Blue

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