

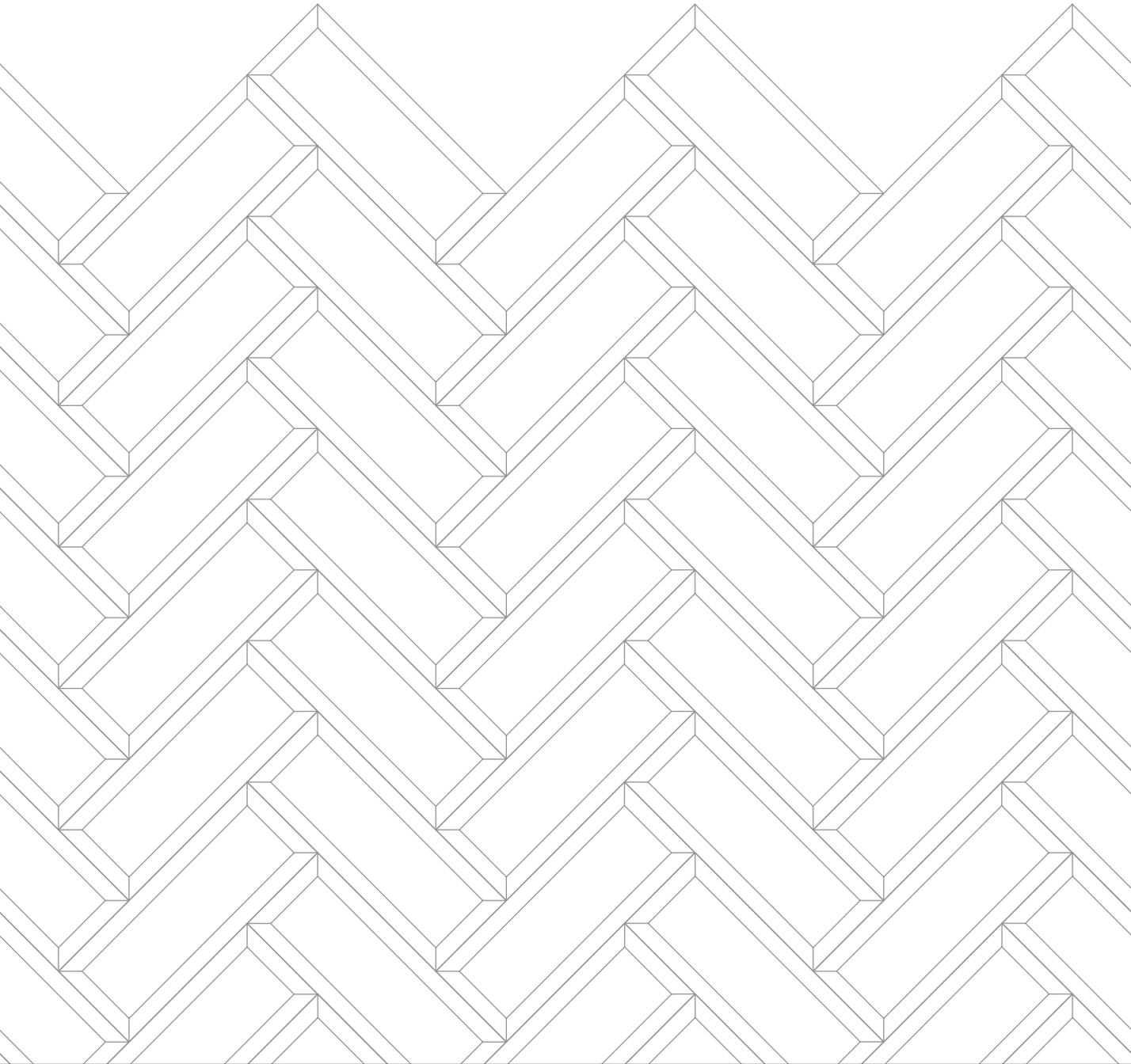
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Ⓢ Select Collection

# FORM

GLAZED CERAMIC  
WALL TILES

🌀 Eight Colours    📐 One Size    🏠 One Finish



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



**JOHNSON-TILES**

Since 1901

# JOHNSON • TILES

Since 1901

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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 1BU.

Registered in England No. 566694.

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## 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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FM26818



EMS40817



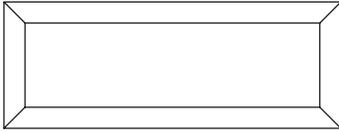
BS EN 14411  
No. KM 07325

A compact range of glazed ceramic wall tiles, **Form** features a colour palette of eight co-ordinating shades all of which are available in a single stunning gloss finish. Try fixing **Form** in different ways, such as herringbone or with different coloured grouts for stunning results.



### One Size Format

Available Sizes:



400x150mm

Thickness

All Available Sizes:

 10mm thick



### One Finish

Available Finishes:



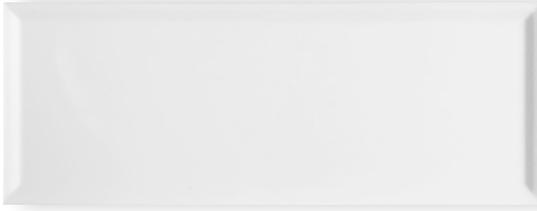
Gloss Finish



Form Winter and Azure

## Eight Colour Options

Available Colours:



Winter



Whisper



Dove



Sahara



Graphite



Thyme

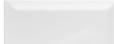


Charcoal



Azure

## Availability

					
▼ Size	▼ Finish	Winter	Whisper	Dove	Graphite
400x150x10mm	 Gloss Finish	FORM1A	FORM2A	FORM3A	FORM4A

					
▼ Size	▼ Finish	Sahara	Thyme	Azure	Charcoal
400x150x10mm	 Gloss Finish	FORM5A	FORM6A	FORM7A	FORM8A

N.B For the most up-to-date availability information, please visit our website - [www.johnson-tiles.com](http://www.johnson-tiles.com)



Form Winter and Charcoal

## Technical Information

### Specification

Size	Wall Usage	Floor Usage	CSV	Material
400x150x10mm	Internal	-	VI	Glazed Ceramic [BIII]

### Colour Notations

Colour	Code	NCS	LRV
Azure	FORM7A	5030-B	14
Charcoal	FORM8A	8502-B	6
Dove	FORM3A	2502-R	50
Graphite	FORM4A	7005-R80B	12
Sahara	FORM5A	3020-Y40R	34
Thyme	FORM6A	5020-B90G	19
Whisper	FORM2A	1505-Y30R	63
Winter	FORM1A	0500-N	86

**N.B** These results are from Johnson Tiles' internal test reports and are to be used for guidance only. NCS: Natural Colour System. LRV: Light Reflectance Value (Reflectance Y).

### Physical Properties

Test	Standard	Requirements	Typical Test Result
 Length / Width	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	$\pm 0.25\%$
 Thickness	EN ISO 10545 - 2	$\pm 10\% \leq \pm 0.5\text{mm}$	$\pm 2.5\%$
 Straightness of Side	EN ISO 10545 - 2	$\pm 0.3\% \leq \pm 1.5\text{mm}$	$\pm 0.15\%$
 Rectangularity	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	$\pm 0.4\%$
 Surface Flatness	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	$\pm 0.3\%$
 Water Absorption	EN ISO 10545 - 3	10% to 20%	15% to 17%
 Modulus of Rupture	EN ISO 10545 - 4	Min 15N / mm <sup>2</sup>	> 25N / mm <sup>2</sup>
 Thermal Shock	EN ISO 10545 - 9	Pass	Pass
 Frost Resistance	EN ISO 10545 - 12		Not suitable for installations where temperatures may fall below freezing.
 Chemical Resistance	EN ISO 10545 - 13	Min Class B	Class A - B
 Stain Resistance	EN ISO 10545 - 14	Min Class 3	Class 3
 Fire Rating			Class A1 Non Combustible
 UV Colour Resistance			Unaffected by Light
 Weight / m <sup>2</sup>			16.7kg (10mm thick)

**N.B** Classed as BIII products (Glazed Ceramic). 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:

### V1 (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:

**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:

### R9 (6° to 10°)

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

### R10 (10° to 19°)

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

### R11 (19° to 27°)

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

### R12 (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.

### R13 (>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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Uniclass	Epic
L512	E223
Cl/SfB	[42] Sg3

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August 2019

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