

# ABSOLUTE COLLECTION

CERAMIC, VITRIFIED & PORCELAIN  
WALL & FLOOR TILES

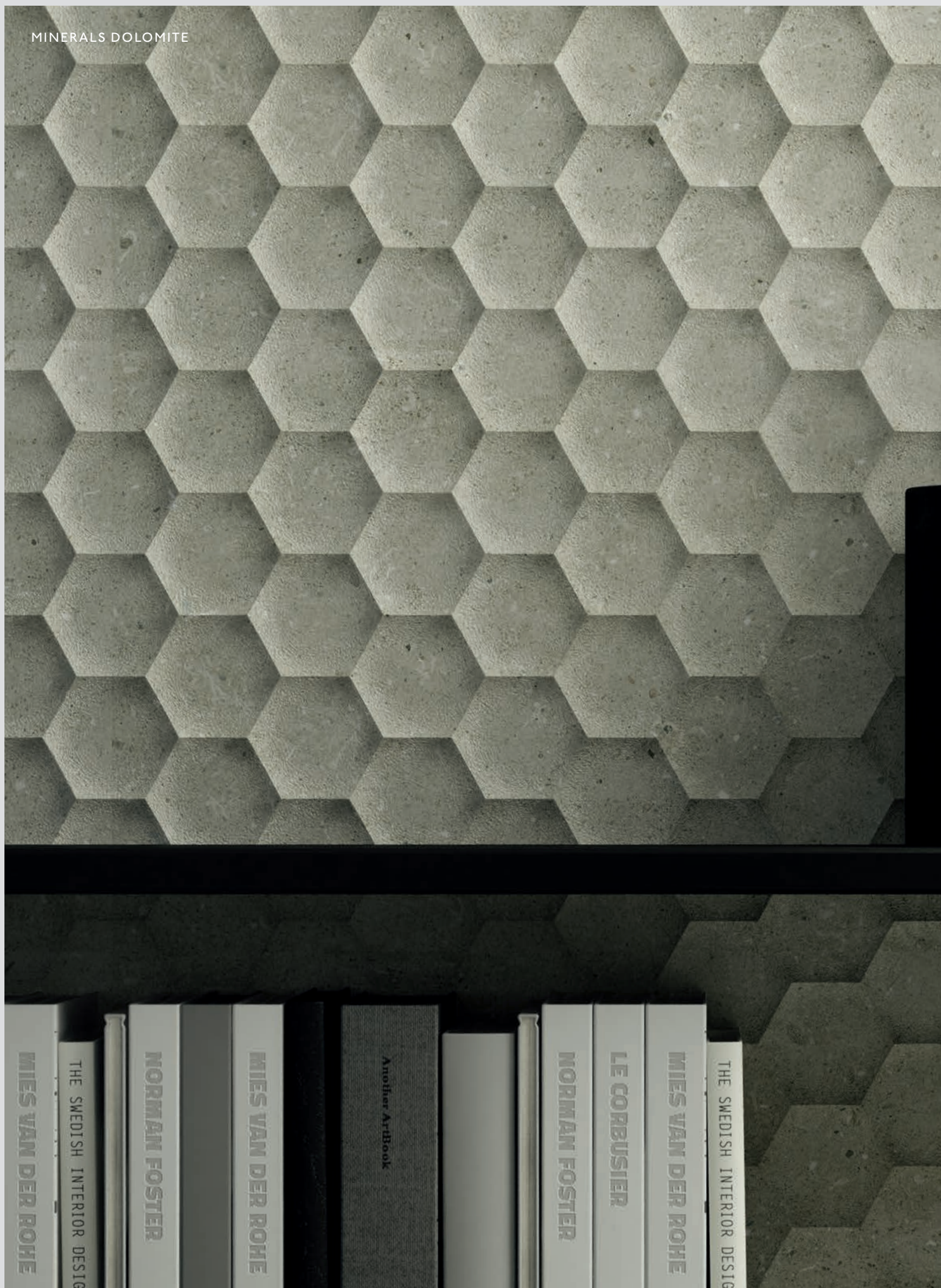
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## 54. TECHNICAL INFORMATION

SPECIFICATION, FLOOR VALUES, COLOUR NOTATIONS, PHYSICAL PROPERTIES, INSTALLATION ADVICE, CLEANING AND MAINTENANCE, ETC...

# ANTIQUE


GLAZED PORCELAIN | WALL & FLOOR TILES

## One Size Format

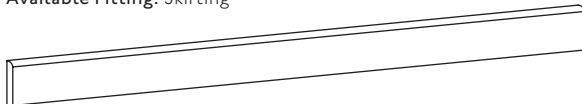
Available Size:




1020x160mm

 10.5mm thick

Available Fitting: Skirting



1020x80mm Round Top

 10.5mm thick

## Two Finishes

Available Finishes:

 Natural Finish

 Grip Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

## Five Colour Options

Available Colours:



▲ Chestnut

Woodgrain Effect



▲ Acorn

Woodgrain Effect



▲ Cedar

Woodgrain Effect



▲ Birch

Woodgrain Effect



▲ Teak

Woodgrain Effect





## ✓ Availability

### 1020x160x10.5mm

- ANT01N Chestnut Woodgrain Natural Finish
- ANT02N Acorn Woodgrain Natural Finish
- ANT03N Cedar Woodgrain Natural Finish
- ANT04N Birch Woodgrain Natural Finish
- ANT05N Teak Woodgrain Natural Finish
- ANT01G Chestnut Woodgrain Grip Finish
- ANT02G Acorn Woodgrain Grip Finish
- ANT03G Cedar Woodgrain Grip Finish
- ANT04G Birch Woodgrain Grip Finish
- ANT05G Teak Woodgrain Grip Finish

### 1020x80x10.5mm Round Top [Skirting]

- ANT01S Chestnut Woodgrain Natural Finish
- ANT02S Acorn Woodgrain Natural Finish
- ANT03S Cedar Woodgrain Natural Finish
- ANT04S Birch Woodgrain Natural Finish
- ANT05S Teak Woodgrain Natural Finish

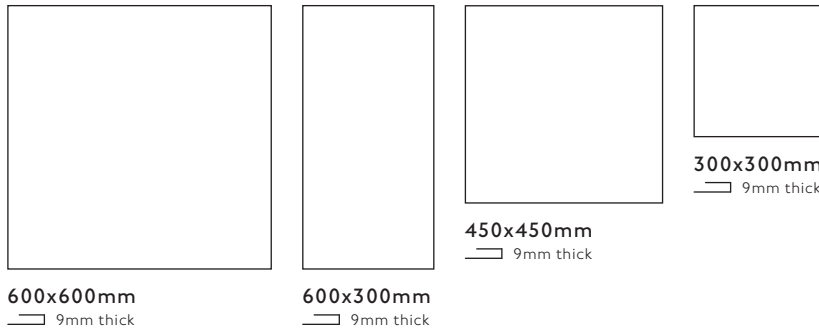
N.B For the most up-to-date availability information, please visit our website - [www.johnson-tiles.com](http://www.johnson-tiles.com)

# ARICH

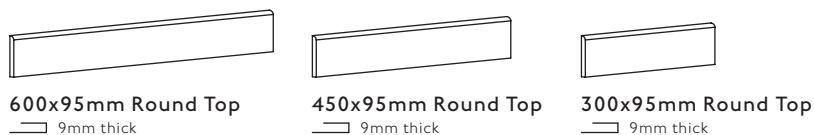
UN-GLAZED PORCELAIN | WALL & FLOOR TILES

## Four Size Formats

Available Sizes:



Available Fittings: Skirtings



## Six Colour Options

Available Colours:



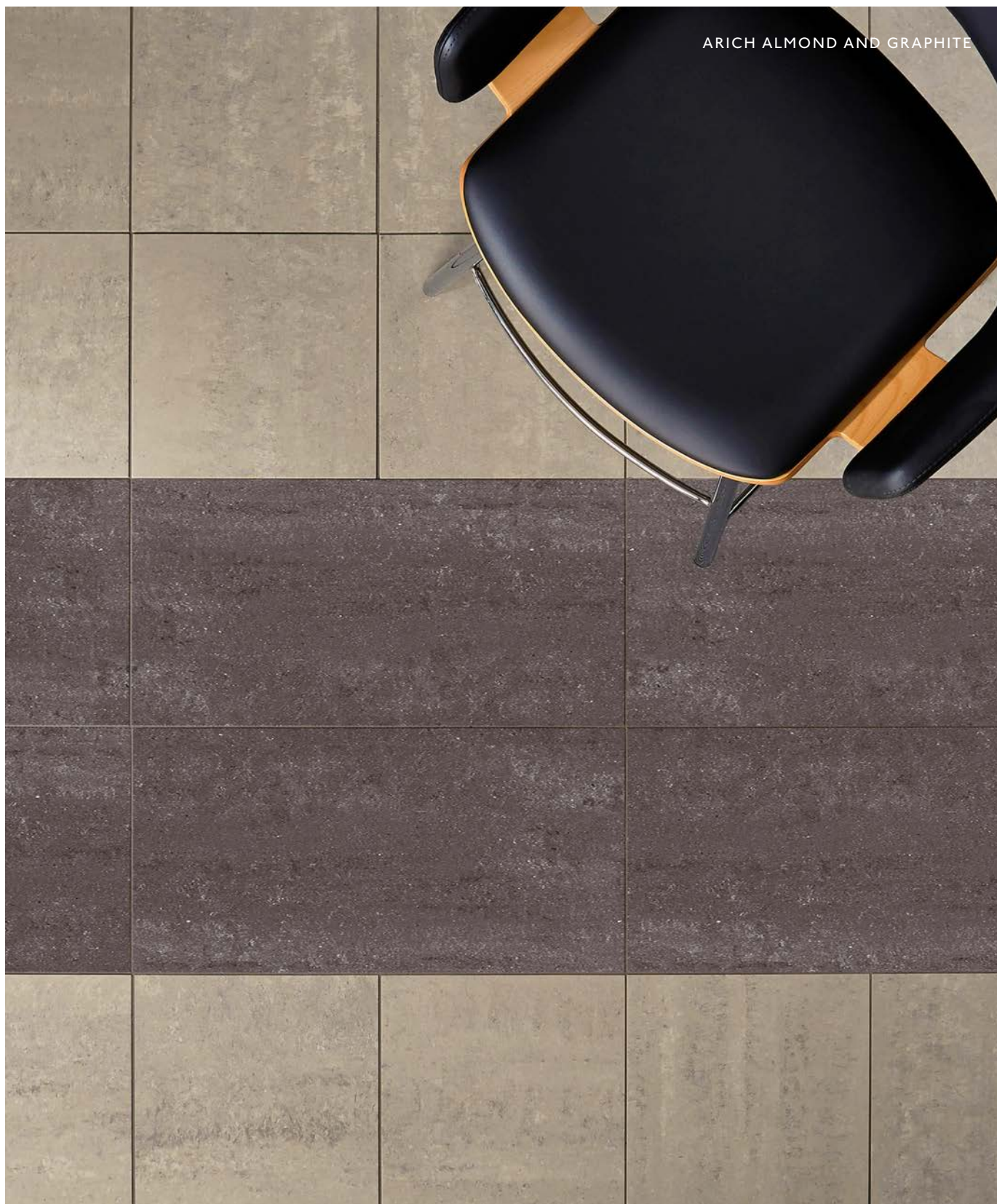
## One Finish

Available Finish:

 Natural Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.





## ✓ Availability

### All Sizes

- ARH01N Beige Natural Finish
- ARH02N Almond Natural Finish
- ARH04N Pumice Natural Finish
- ARH06N Dove Natural Finish
- ARH08N Smoke Natural Finish
- ARH09N Graphite Natural Finish

### 600x300x9mm ONLY

- ARH01T Beige Slate Natural Finish
- ARH02T Almond Slate Natural Finish
- ARH04T Pumice Slate Natural Finish
- ARH06T Dove Slate Natural Finish
- ARH08T Smoke Slate Natural Finish
- ARH09T Graphite Slate Natural Finish

### All Fittings

- ARH1NS Beige Natural Finish
- ARH2NS Almond Natural Finish
- ARH4NS Pumice Natural Finish
- ARH6NS Dove Natural Finish
- ARH8NS Smoke Natural Finish
- ARH9NS Graphite Natural Finish

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# ARTISAN

PORCELAIN | WALL & FLOOR TILES



## Two Size Formats

Available Sizes:



**1800x200mm**

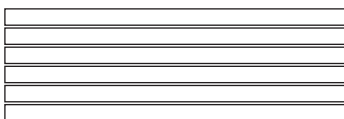
9mm thick



**1200x200mm**

9mm thick

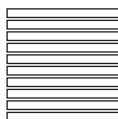
Available Mosaics:



Sheet Size: **900x300mm**

Tessera Size: **900x50mm**

9mm thick



Sheet Size: **300x300mm**

Tessera Size: **300x30mm**

9mm thick

Available Fittings: Skirtings



**1200x50mm Bevel Top**

9mm thick



**900x50mm Bevel Top**

9mm thick



## Two Finishes

Available Finishes:



Natural Finish



Grip Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Six Colour Options

Available Colours:



▲ **White Oak**  
Woodgrain Effect



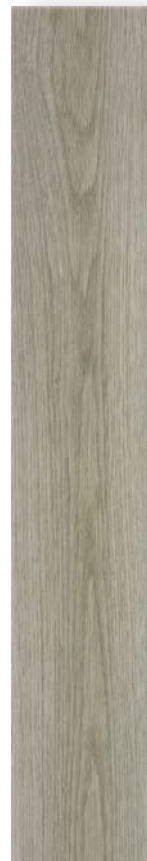
▲ **Highland Ash**  
Woodgrain Effect



▲ **Natural Oak**  
Woodgrain Effect



▲ **Hickory**  
Woodgrain Effect



▲ **Aspen**  
Woodgrain Effect



▲ **Walnut**  
Woodgrain Effect





ARTISAN HIGHLAND ASH

## ✓ Availability

### All Sizes

- ARN01N White Oak Woodgrain Natural Finish
- ARN02N Highland Ash Woodgrain Natural Finish
- ARN03N Natural Oak Woodgrain Natural Finish
- ARN04N Hickory Woodgrain Natural Finish
- ARN05N Aspen Woodgrain Natural Finish
- ARN06N Walnut Woodgrain Natural Finish

### All Mosaics

- ARN1NM White Oak Woodgrain Natural Finish
- ARN2NM Highland Ash Woodgrain Natural Finish
- ARN3NM Natural Oak Woodgrain Natural Finish
- ARN4NM Hickory Woodgrain Natural Finish
- ARN5NM Aspen Woodgrain Natural Finish
- ARN6NM Walnut Woodgrain Natural Finish

### I 200x200x9mm ONLY

- ARN01G White Oak Woodgrain Grip Finish
- ARN02G Highland Ash Woodgrain Grip Finish
- ARN03G Natural Oak Woodgrain Grip Finish
- ARN04G Hickory Woodgrain Grip Finish
- ARN05G Aspen Woodgrain Grip Finish
- ARN06G Walnut Woodgrain Grip Finish

### All Fittings

- ARN1NS White Oak Woodgrain Natural Finish
- ARN2NS Highland Ash Woodgrain Natural Finish
- ARN3NS Natural Oak Woodgrain Natural Finish
- ARN4NS Hickory Woodgrain Natural Finish
- ARN5NS Aspen Woodgrain Natural Finish
- ARN6NS Walnut Woodgrain Natural Finish

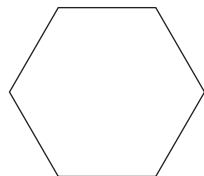
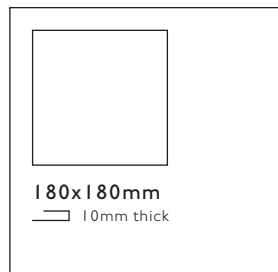
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# AVOIR

GLAZED PORCELAIN | WALL & FLOOR TILES

## Four Size Formats

Available Sizes:



260x225mm Hexagon  
10mm thick

360x360mm  
10mm thick



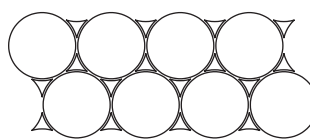
360x90mm  
10mm thick

Available Fitting: Skirting



360x90mm Square Top  
10mm thick

Available Mosaic:



Sheet Size: 410x195mm  
Tessera Size: 90mm ø Circles  
10mm thick

## One Finish

Available Finish:

 Natural Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

## Five Colour Options

Available Colours:



▲ Bone



▲ Beige



▲ Bone Mix



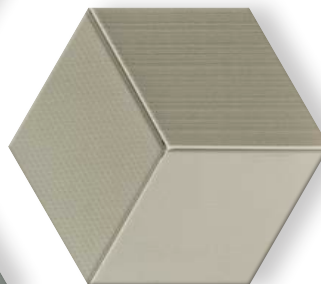
▲ Beige Mix



▲ Cement



▲ Smoke



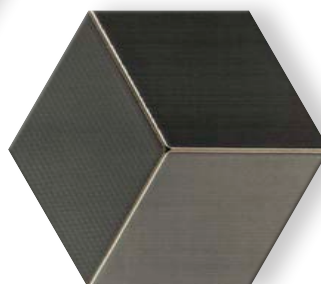
▲ Cement Mix



▲ Smoke Mix



▲ Graphite



▲ Graphite Mix



AVOIR BONE, BONE MIX, CEMENT, CEMENT MIX,  
SMOKE, SMOKE MIX GRAPHITE AND GRAPHITE MIX



## ✓ Availability

### All Sizes

- AVR01N Bone Natural Finish
- AVR02N Beige Natural Finish
- AVR03N Cement Natural Finish
- AVR04N Smoke Natural Finish
- AVR05N Graphite Natural Finish

### 410x195x10mm [90mm ø Circles Mosaic]

- AVR1NM Bone Natural Finish
- AVR2NM Beige Natural Finish
- AVR5NM Graphite Natural Finish

### 260x225x10mm Hexagon ONLY

- AVR01D Bone Mix Natural Finish
- AVR02D Beige Mix Natural Finish
- AVR03D Cement Mix Natural Finish
- AVR04D Smoke Mix Natural Finish
- AVR05D Graphite Mix Natural Finish

### 360x90x10mm Square Top [Skirting]

- AVR1NS Bone Natural Finish
- AVR2NS Beige Natural Finish
- AVR3NS Cement Natural Finish
- AVR4NS Smoke Natural Finish
- AVR5NS Graphite Natural Finish

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

# BAKER STREET

GLAZED CERAMIC | WALL TILES



## One Size Format

Available Size:



300x75mm

— 9mm thick



## One Finish

Available Finish:



Gloss Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Five Colour Options

Available Colours:



▲ Chalk



▲ Magnolia



▲ Sand



▲ Silver Mist



▲ Cobblestone





BAKER STREET CHALK

## ✓ Availability

300x75x9mm

- BAK01A Chalk Gloss Finish
- BAK02A Magnolia Gloss Finish
- BAK03A Sand Gloss Finish
- BAK04A Silver Mist Gloss Finish
- BAK06A Cobblestone Gloss Finish

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

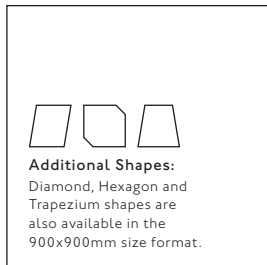
# BASELINE

PORCELAIN | WALL & FLOOR TILES



## Four Size Formats

Available Sizes:



**900x900mm**

9mm thick



**900x450mm**

9mm thick



**600x600mm**

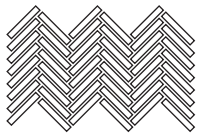
9mm thick



**600x300mm**

9mm thick

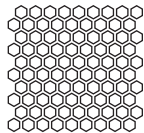
Available Mosaics:



Sheet Size: **450x300mm**

Tessera Size: **100x20mm Spike**

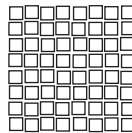
9mm thick



Sheet Size: **300x300mm**

Tessera Size: **40x35mm Hex**

9mm thick



Sheet Size: **300x300mm**

Tessera Size: **33x33mm**

9mm thick



## One Finish

Available Finish:



**Natural Finish**

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

Available Fittings: Skirtings



**900x50mm Bevel Top**

9mm thick



**600x50mm Bevel Top**

9mm thick



## Six Colour Options

Available Colours:



▲ **Powder**



▲ **Biscuit**



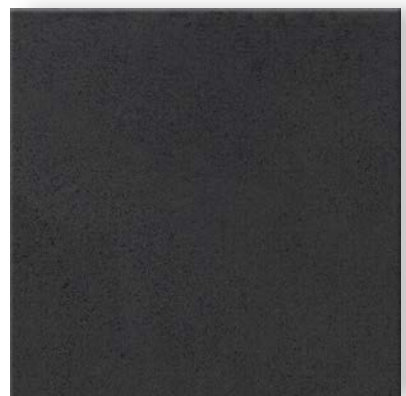
▲ **Dove**



▲ **Fossil**



▲ **Smoke**



▲ **Shadow**





BASELINE POWDER

## ✓ Availability

### All Sizes & Additional Shapes

- BAS01N Powder Natural Finish
- BAS02N Biscuit Natural Finish
- BAS03N Dove Natural Finish
- BAS04N Fossil Natural Finish
- BAS05N Smoke Natural Finish
- BAS06N Shadow Natural Finish

### All Mosaics

- BAS1NM Powder Natural Finish
- BAS2NM Biscuit Natural Finish
- BAS3NM Dove Natural Finish
- BAS4NM Fossil Natural Finish
- BAS5NM Smoke Natural Finish
- BAS6NM Shadow Natural Finish

### All Fittings

- BAS1NS Powder Natural Finish
- BAS2NS Biscuit Natural Finish
- BAS3NS Dove Natural Finish
- BAS4NS Fossil Natural Finish
- BAS5NS Smoke Natural Finish
- BAS6NS Shadow Natural Finish

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

# BRICS

GLAZED PORCELAIN | WALL & FLOOR TILES



## One Size Format

Available Size:



250x60mm

10mm thick



## One Finish

Available Finish:



Natural Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Six Colour Options

Available Colours:



▲ Montmartre White  
Brick Effect



▲ Noho Red Blend  
Brick Effect



▲ Tokyo Red  
Brick Effect



▲ Octavia Beige  
Brick Effect



▲ Brooklyn Brown  
Brick Effect



▲ Docklands Grey  
Brick Effect



BRICS MONTMARTRE WHITE,  
TOKYO RED AND DOCKLANDS GREY



## ✓ Availability

250x60x10mm

- BRI01N Montmartre White Brick Natural Finish
- BRI02N Noho Red Blend Brick Natural Finish
- BRI03N Tokyo Red Brick Natural Finish
- BRI04N Octavia Beige Brick Natural Finish
- BRI05N Brooklyn Brown Brick Natural Finish
- BRI06N Docklands Grey Brick Natural Finish

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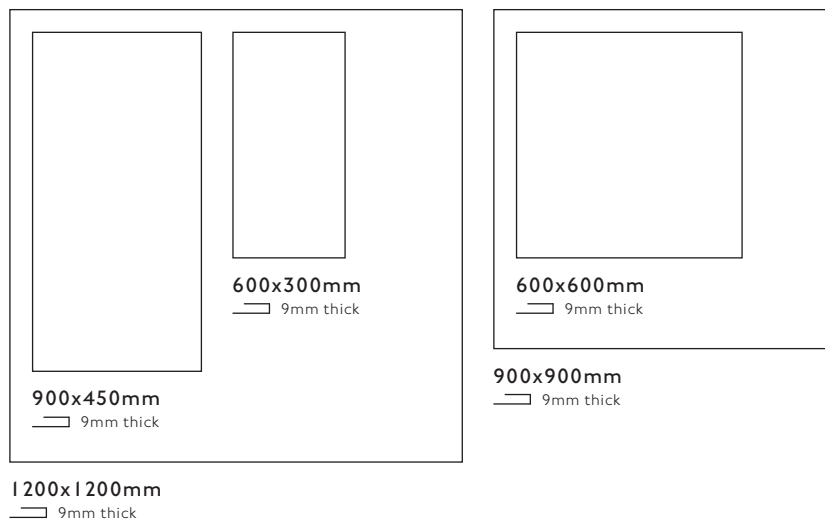
# BUCKINGHAM

GLAZED PORCELAIN | WALL & FLOOR TILES



## Five Size Formats

Available Sizes:



## One Finish

Available Finish:

**B** Soft Bush Hammered Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Four Colour Options

Available Colours:



▲ Beige



▲ Light Grey



▲ Grey



▲ Anthracite





BUCKINGHAM BEIGE

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## ✓ Availability

### All Sizes

- BUCK1B Beige Soft Bush Hammered Finish
- BUCK2B Light Grey Soft Bush Hammered Finish
- BUCK3B Grey Soft Bush Hammered Finish
- BUCK4B Anthracite Soft Bush Hammered Finish

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

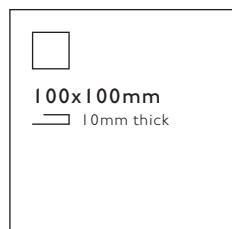
# CENTAURUS

UN-GLAZED PORCELAIN | WALL & FLOOR TILES

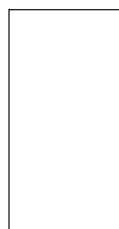


## Five Size Formats

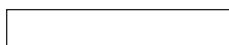
Available Sizes:



**600x600mm**  
11mm thick



**600x300mm**  
10mm thick



**600x100mm**  
10mm thick



**600x50mm**  
10mm thick

Available Fittings: Skirtings



**300x90mm Round Top**  
10mm thick



**600x90mm Round Top**  
10mm thick



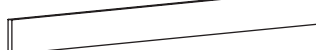
**300x90mm Square Top**  
10mm thick



**400x90mm Square Top**  
10mm thick

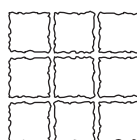


**600x90mm Square Top**  
10mm thick

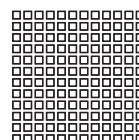


**800x90mm Square Top**  
10mm thick

Available Mosaics:



Sheet Size: **300x300mm**  
Tessera Size: **100x100mm**  
11mm thick



Sheet Size: **300x300mm**  
Tessera Size: **25x25mm**  
11mm thick



## Four Finishes

Available Finishes:

**N** Natural Finish

**P** Polished Finish

**G** Grip Finish

**B** Bush Hammered Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Five Colour Options

Available Colours:



▲ Bone



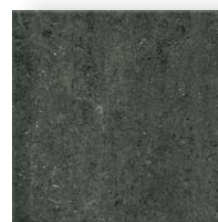
▲ Dove



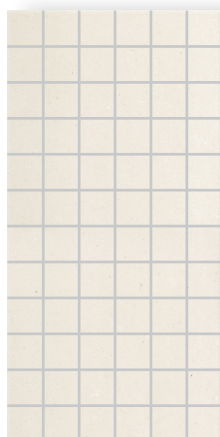
▲ Wheat



▲ Slate



▲ Graphite



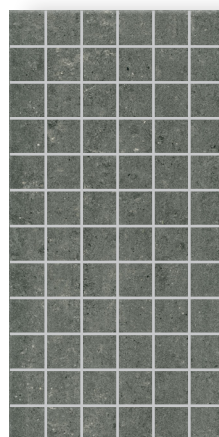
▲ Bone  
Scored Two Ways



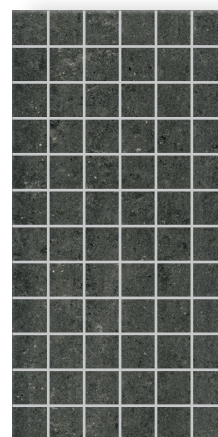
▲ Dove  
Scored Two Ways



▲ Wheat  
Scored Two Ways

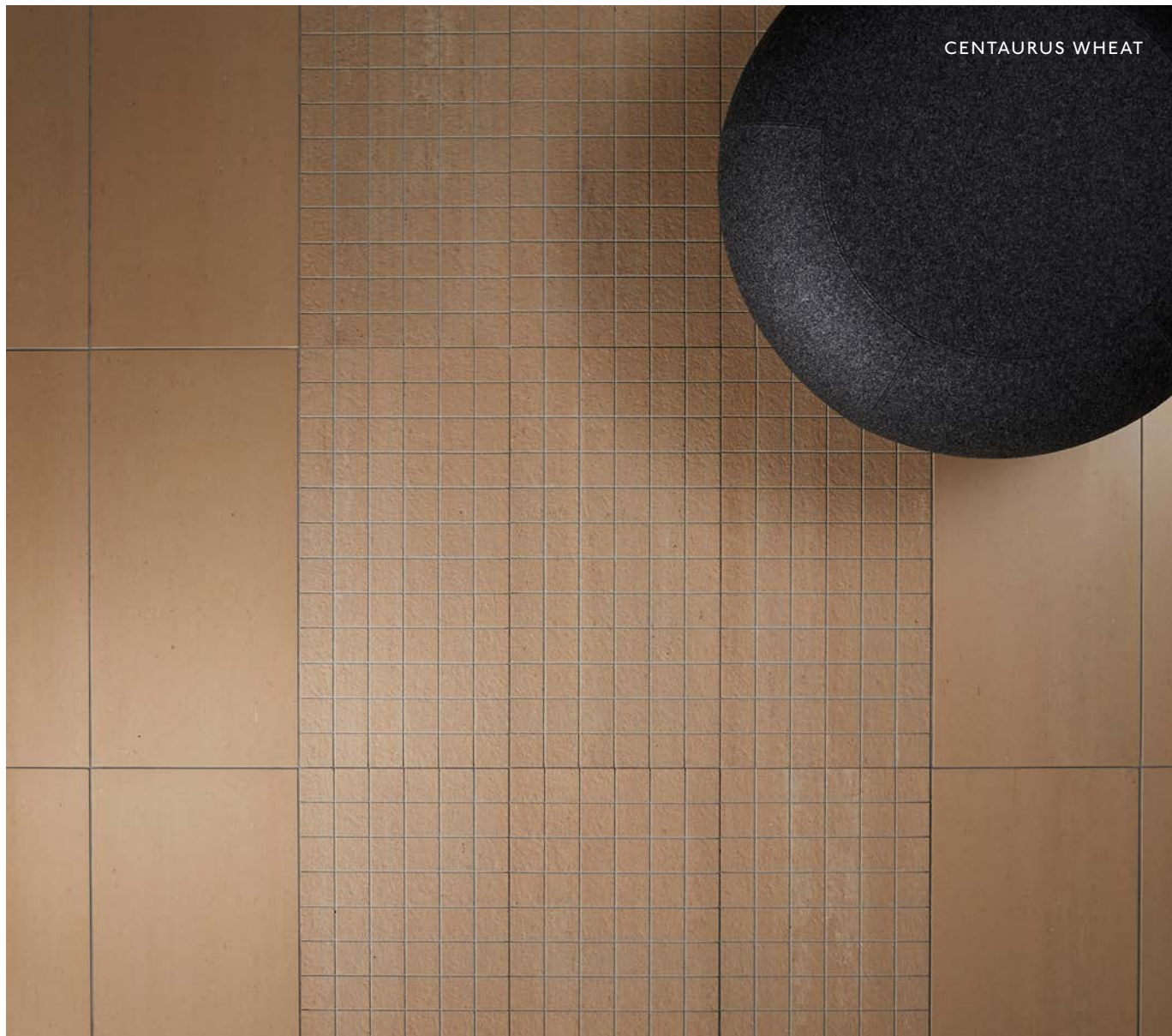


▲ Slate  
Scored Two Ways



▲ Graphite  
Scored Two Ways





## ✓ Availability

### All Sizes

- CEN01N Graphite Natural Finish
- CEN02N Slate Natural Finish
- CEN03N Bone Natural Finish
- CEN04N Wheat Natural Finish

### 600x600x11mm, 600x300x10mm, & 100x100mm ONLY

- CEN01P Graphite Polished Finish
- CEN02P Slate Polished Finish
- CEN03P Bone Polished Finish
- CEN04P Wheat Polished Finish

### All Mosaics

- CEN1NM Graphite Natural Finish
- CEN2NM Slate Natural Finish
- CEN3NM Bone Natural Finish
- CEN4NM Wheat Natural Finish
- CEN6NM Dove Natural Finish

### 600x300x10mm ONLY

- CEN06N Dove Natural Finish
- CEN06P Dove Polished Finish
- CEN02G Graphite Grip Finish
- CEN03G Bone Grip Finish
- CEN04G Wheat Grip Finish

- CEN01B Graphite Bush Hammered Finish
- CEN02B Slate Bush Hammered Finish
- CEN03B Bone Bush Hammered Finish
- CEN04B Wheat Bush Hammered Finish

- CEN01B Graphite Scored Bush Hammered Finish
- CEN02B Slate Scored Bush Hammered Finish
- CEN03B Bone Scored Bush Hammered Finish
- CEN04B Wheat Scored Bush Hammered Finish

### All Round Top Skirtings ONLY

- CEN1PS Graphite Polished Finish
- CEN2PS Slate Polished Finish
- CEN3PS Bone Polished Finish
- CEN4PS Wheat Polished Finish
- CEN6PS Wheat Polished Finish

### 300x90x10mm & 600x90x10mm Square Top ONLY [Skirting]

- CEN6NS Dove Natural Finish
- CEN1PS Graphite Polished Finish
- CEN2PS Slate Polished Finish
- CEN3PS Bone Polished Finish
- CEN4PS Wheat Polished Finish
- CEN6PS Wheat Polished Finish

- CEN1BS Graphite Bush Hammered Finish
- CEN2BS Slate Bush Hammered Finish
- CEN3BS Bone Bush Hammered Finish
- CEN4BS Wheat Bush Hammered Finish

### All Square Top Skirtings ONLY

- CEN1NS Graphite Natural Finish
- CEN2NS Slate Natural Finish
- CEN3NS Bone Natural Finish
- CEN4NS Wheat Natural Finish

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

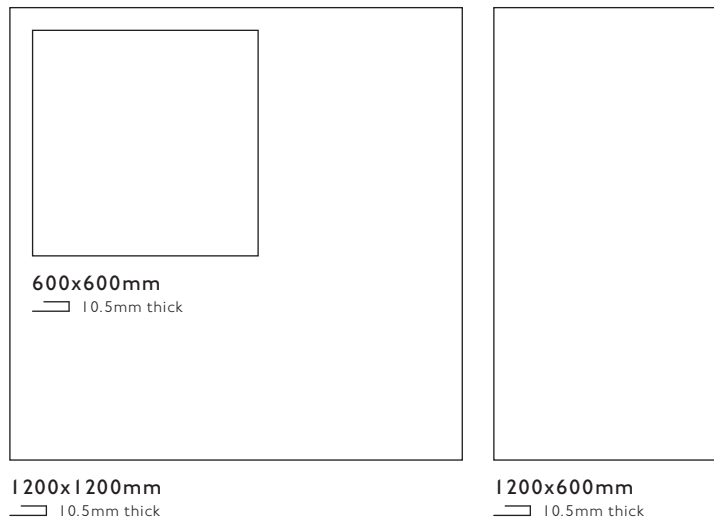
# CONGLOMERATES

UN-GLAZED PORCELAIN | WALL & FLOOR TILES



## Three Size Formats

Available Sizes:



600x600mm

10.5mm thick

1200x1200mm

10.5mm thick

1200x600mm

10.5mm thick



## Three Finishes

Available Finishes:

**N** Natural Finish

**P** Polished Finish

**G** Grip Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Six Colour Options

Available Colours:



▲ White



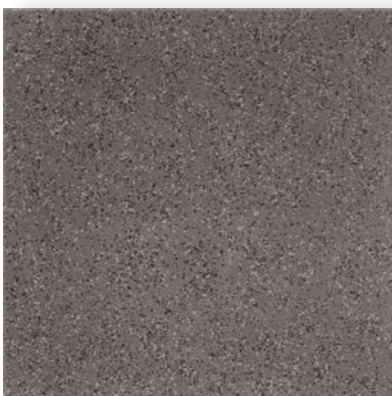
▲ Almond



▲ Beige



▲ Silver



▲ Grey



▲ Dark Grey





## ✓ Availability

### All Sizes

- |                                   |                                    |                                |
|-----------------------------------|------------------------------------|--------------------------------|
| - CON01N White Natural Finish     | - CON01P White Polished Finish     | - CON01G White Grip Finish     |
| - CON02N Almond Natural Finish    | - CON02P Almond Polished Finish    | - CON02G Almond Grip Finish    |
| - CON03N Silver Natural Finish    | - CON03P Silver Polished Finish    | - CON03G Silver Grip Finish    |
| - CON04N Beige Natural Finish     | - CON04P Beige Polished Finish     | - CON04G Beige Grip Finish     |
| - CON05N Dark Grey Natural Finish | - CON05P Dark Grey Polished Finish | - CON05G Dark Grey Grip Finish |
| - CON06N Grey Natural Finish      | - CON06P Grey Polished Finish      | - CON06G Grey Grip Finish      |

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

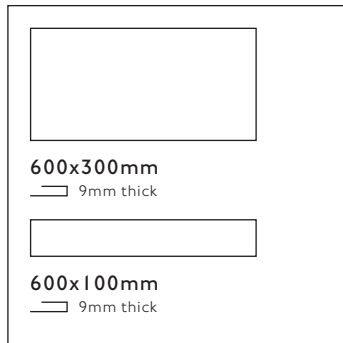
# DISTRICT

PORCELAIN | WALL & FLOOR TILES



## Five Size Formats

Available Sizes:



600x300mm

9mm thick

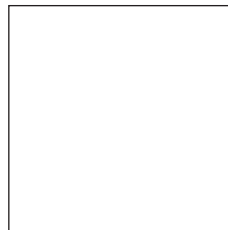
600x100mm

9mm thick



900x450mm

9mm thick



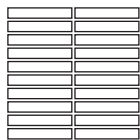
600x600mm

9mm thick

900x900mm

9mm thick

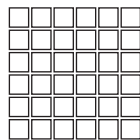
Available Mosaics:



Sheet Size: 300x300mm

Tessera Size: 150x30mm

9mm thick



Sheet Size: 300x300mm

Tessera Size: 50x50mm

9mm thick



Sheet Size: 300x300mm

Tessera Size: Mixed Strips

9mm thick



## Two Finishes

Available Finishes:

**N** Natural Finish

**G** Grip Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

Available Fittings: Skirtings



900x50mm Bevel Top

9mm thick



600x50mm Bevel Top

9mm thick

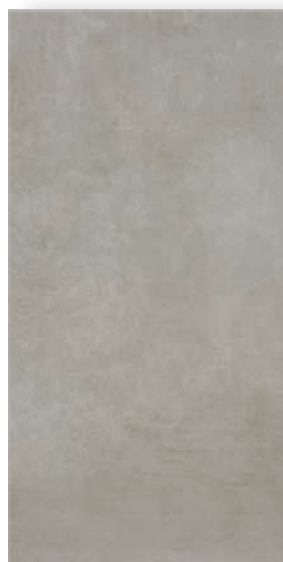


## Four Colour Options

Available Colours:



▲ Stone White



▲ Ash



▲ Tarnished Silver



▲ Anthracite





DISTRICT ANTHRACITE

## ✓ Availability

### All Sizes

- DIS01N Stone White Natural Finish
- DIS02N Ash Natural Finish
- DIS03N Tarnished Silver Natural Finish
- DIS04N Anthracite Natural Finish

### All Mosaics

- DIS1NM Stone White Natural Finish
- DIS2NM Ash Natural Finish
- DIS3NM Tarnished Silver Natural Finish
- DIS4NM Anthracite Natural Finish

### 900x900x9mm, 600x600x9mm, 600x300x9mm & 600x100x9mm ONLY

- DIS01G Stone White Natural Finish
- DIS02G Ash Natural Finish
- DIS03G Tarnished Silver Natural Finish
- DIS04G Anthracite Natural Finish

### All Fittings

- DIS1NS Stone White Natural Finish
- DIS2NS Ash Natural Finish
- DIS3NS Tarnished Silver Natural Finish
- DIS4NS Anthracite Natural Finish

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

# FLARE

GLAZED CERAMIC | WALL TILES



## One Size Format

Available Size:



1200x400mm

12.5mm thick



## Two Finishes

Available Finishes:



Gloss Finish



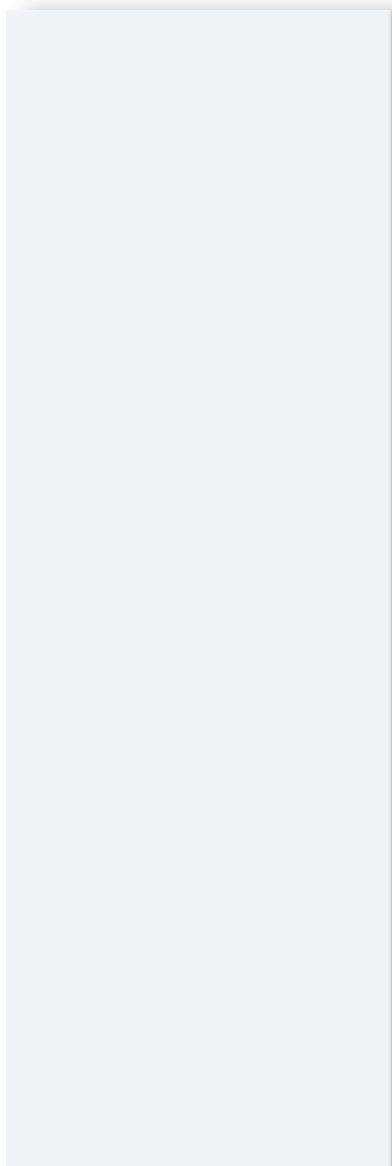
Satin Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

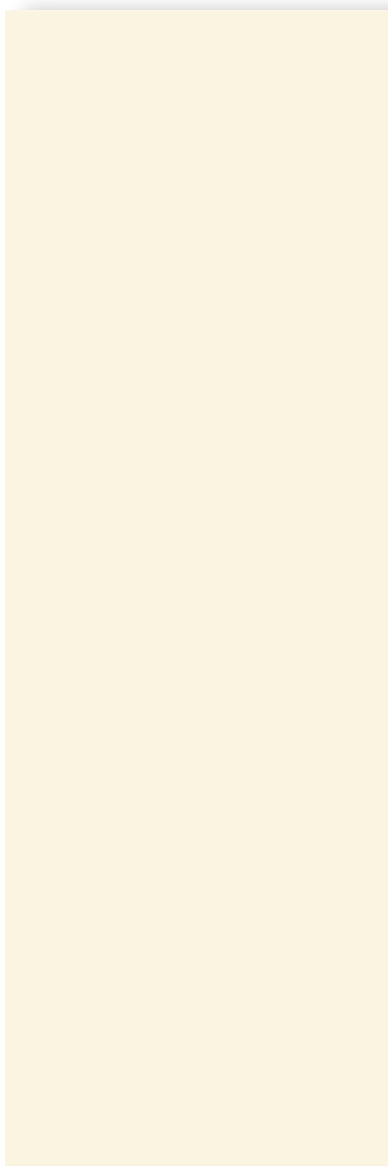


## Three Colour Options

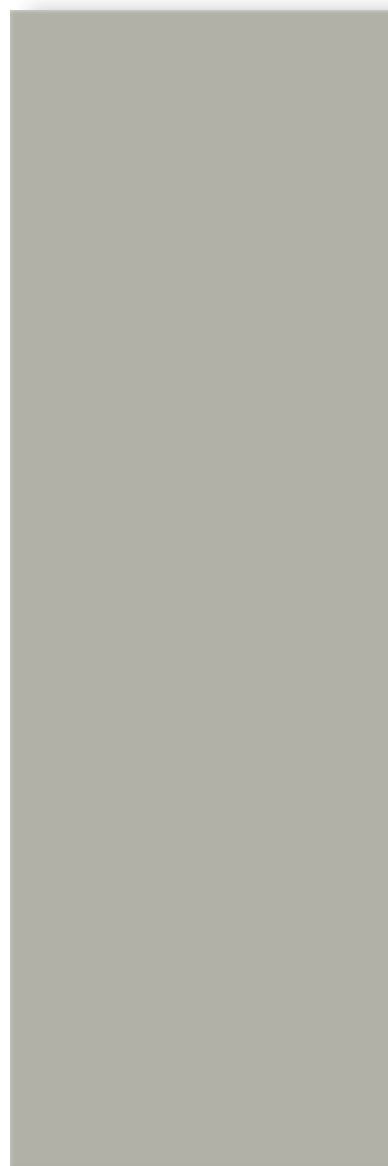
Available Colours:



▲ Simply White

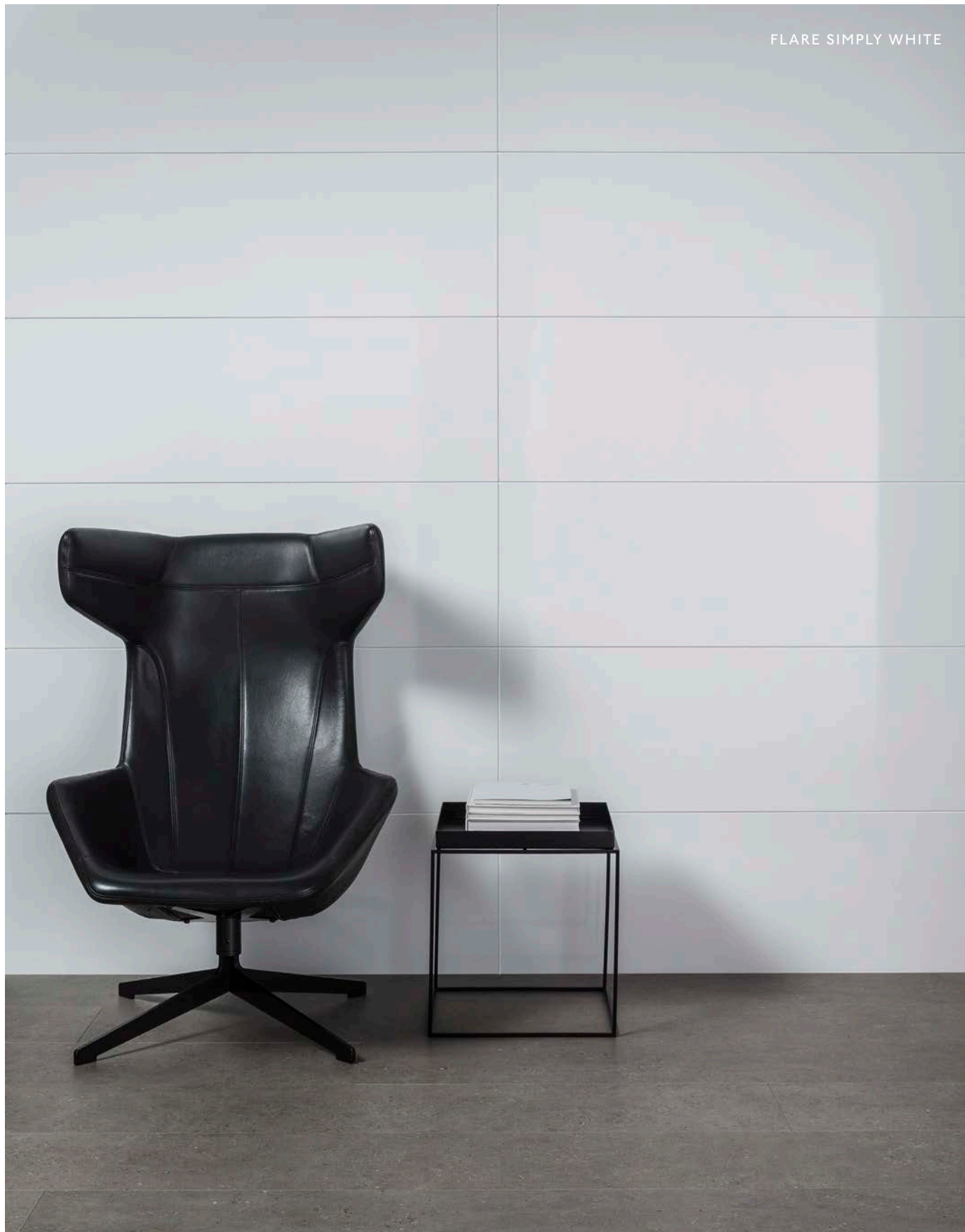


▲ Eggshell



▲ Linen





### ✓ Availability

1200x400x12.5mm

- FLA01G Simply White Gloss Finish
- FLA02G Eggshell Gloss Finish
- FLA01S Simply White Satin Finish
- FLA03G Linen Gloss Finish

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

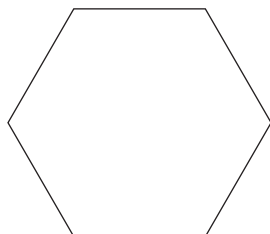
# HEX25

GLAZED PORCELAIN | WALL & FLOOR TILES



## One Size Format

Available Size:



250x220mm Hexagon

10mm thick



## Two Finishes

Available Finishes:



Natural Finish



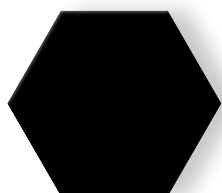
Antislip Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

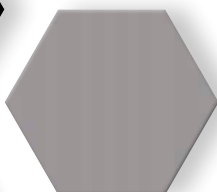


## Twenty-Two Colour Options

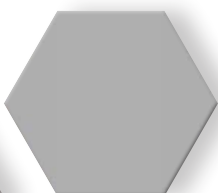
Available Colours:



▲ Black



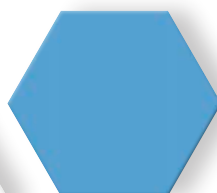
▲ Grey



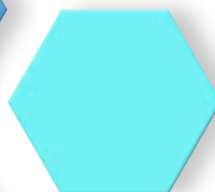
▲ Silver



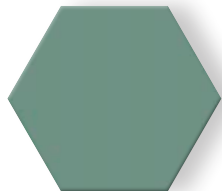
▲ White



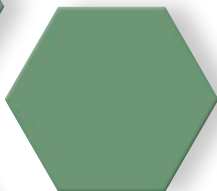
▲ Blue



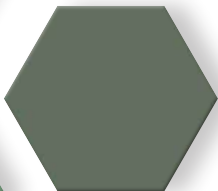
▲ Aqua



▲ Kale



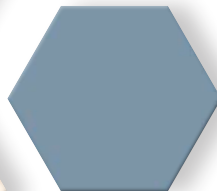
▲ Forest



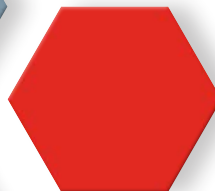
▲ Moss



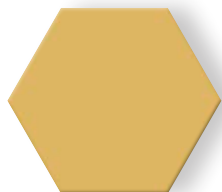
▲ Cotton



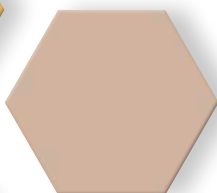
▲ Mid Blue



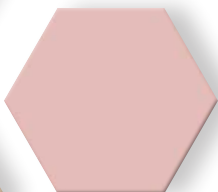
▲ Red



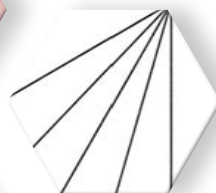
▲ Dandelion



▲ Nude



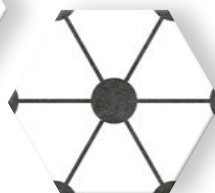
▲ Rose



▲ Aster Blanco



▲ Trident Blanco



▲ Atom White



▲ Fantasy Mix



▲ Delta Blue



▲ Delta Green



▲ Kasbah Mix





## ✓ Availability

### 250x220x10mm Hexagon

- |                                |  |                                     |
|--------------------------------|--|-------------------------------------|
| - HEX01F Black Natural Finish  | - HEX10F Cotton Natural Finish         | - HEX18F Atom White Natural Finish  |
| - HEX02F Grey Natural Finish   | - HEX11F Mid Blue Natural Finish       | - HEX19F Fantasy Mix Natural Finish |
| - HEX03F Silver Natural Finish | - HEX12F Red Natural Finish            | - HEX20F Delta Blue Natural Finish  |
| - HEX04F White Natural Finish  | - HEX13F Dandelion Natural Finish      | - HEX21F Delta Green Natural Finish |
| - HEX05F Blue Natural Finish   | - HEX14F Nude Natural Finish           | - HEX22F Kasbah Mix Natural Finish  |
| - HEX06F Aqua Natural Finish   | - HEX15F Rose Natural Finish           | - HEX01A Black Antislip Finish      |
| - HEX07F Kale Natural Finish   | - HEX16F Aster Blanco Natural Finish   | - HEX03A Silver Antislip Finish     |
| - HEX08F Forest Natural Finish | - HEX17F Trident Blanco Natural Finish | - HEX04A White Antislip Finish      |
| - HEX09F Moss Natural Finish   |  |                                     |

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

# LOFT

GLAZED PORCELAIN | WALL & FLOOR TILES



## One Size Format

Available Size:



280x70mm

8mm thick



## One Finish

Available Finish:



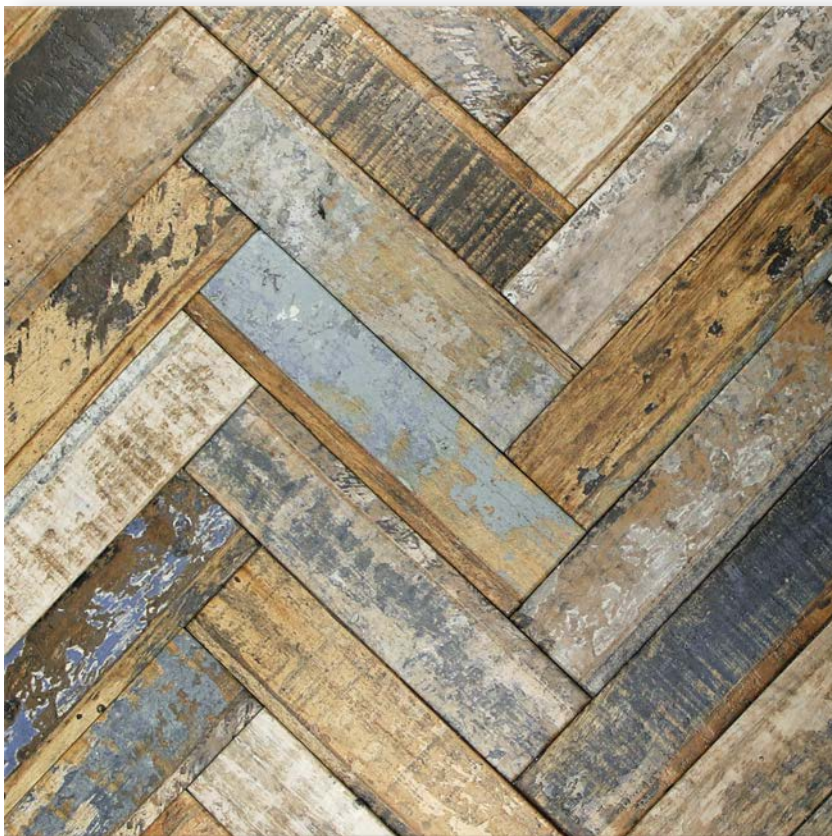
Natural Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



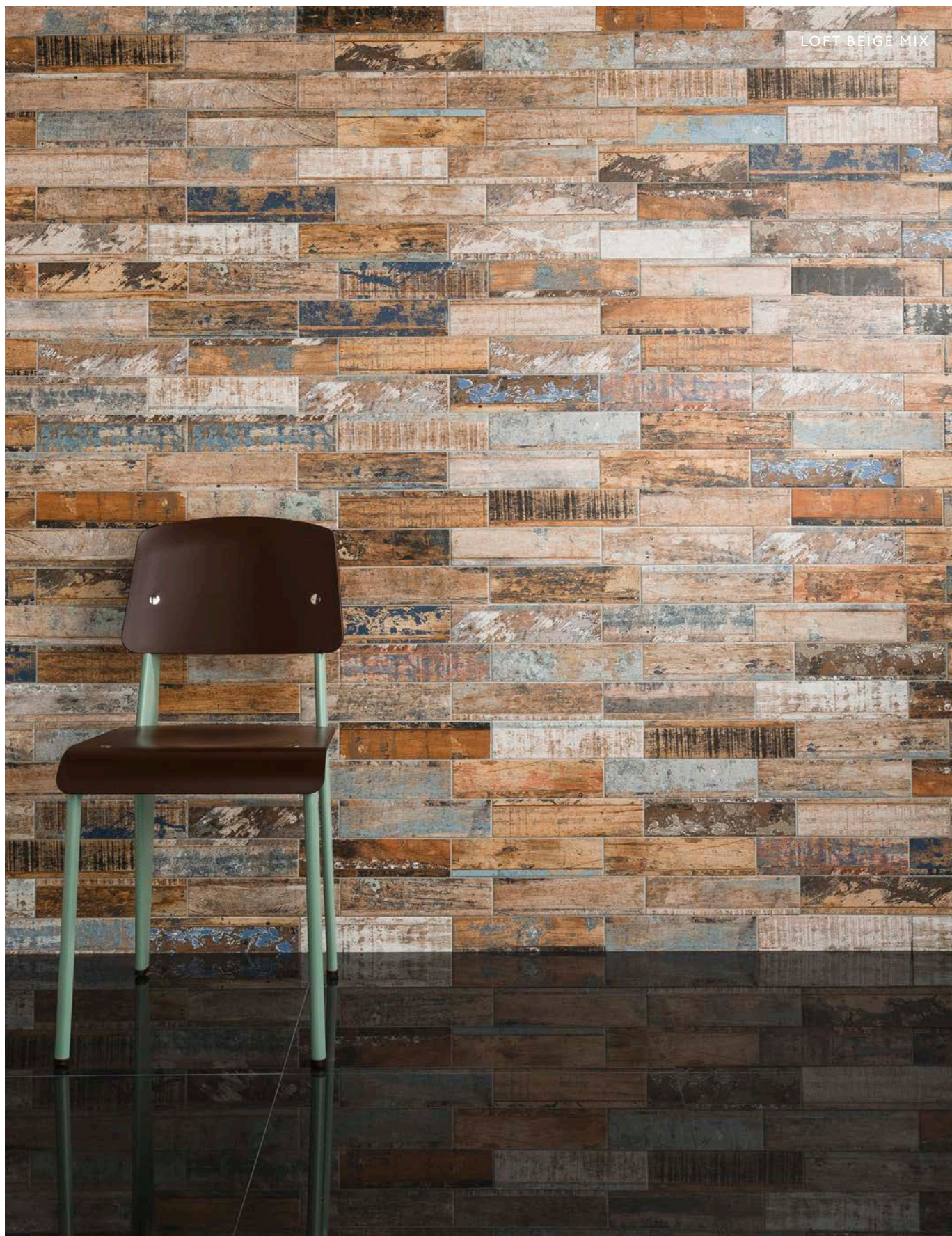
## One Colour Option

Available Colour:



▲ Beige Mix





LOFT BEIGE MIX

---

✓ Availability

280x70x8mm

- LOF01N Beige Mix Natural Finish

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



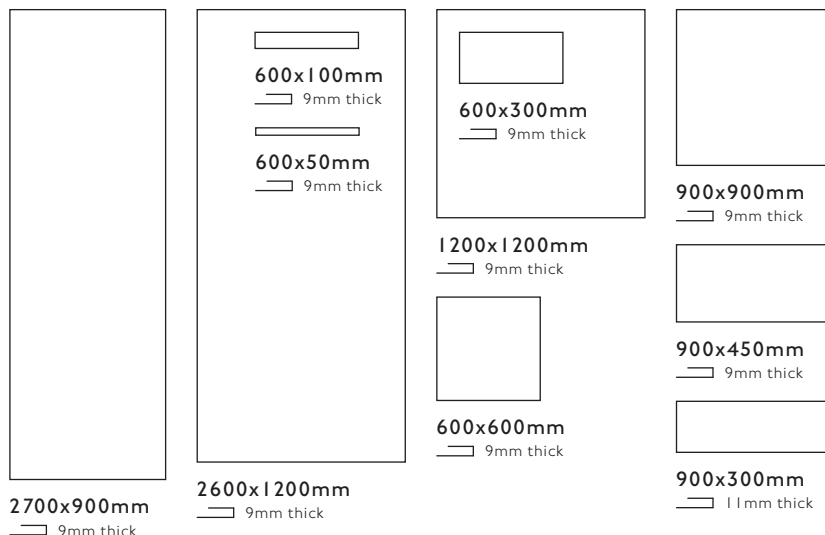
# MINERALS

PORCELAIN & GLAZED CERAMIC | WALL & FLOOR TILES

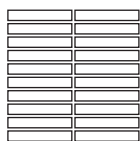


## Ten Size Formats

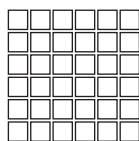
Available Sizes:



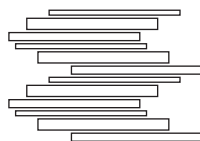
Available Mosaics:



Sheet Size: 300x300mm  
Tessera Size: 150x30mm  
9mm thick



Sheet Size: 300x300mm  
Tessera Size: 50x50mm  
9mm thick



Sheet Size: 300x300mm  
Tessera Size: Mixed Strips  
9mm thick



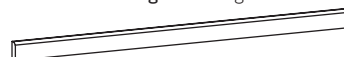
## Three Finishes

Available Finishes:

- N** Natural Finish
- G** Grip Finish
- B** Bush Hammered Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

Available Fittings: Skirtings



900x50mm Bevel Top  
9mm thick



600x50mm Bevel Top  
9mm thick

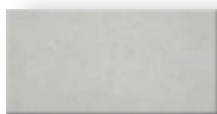


## Five Colour Options

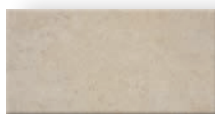
Available Colours:



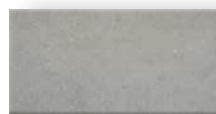
▲ Chalk



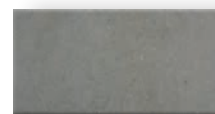
▲ Dolomite



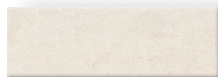
▲ Limestone



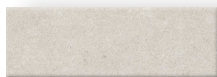
▲ Flint



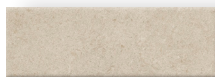
▲ Slate



▲ Chalk  
Dots Effect



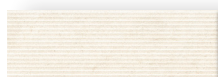
▲ Dolomite  
Dots Effect



▲ Limestone  
Dots Effect



▲ Flint  
Dots Effect



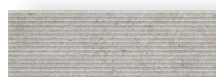
▲ Chalk  
Linear Effect



▲ Dolomite  
Linear Effect



▲ Limestone  
Linear Effect



▲ Flint  
Linear Effect



▲ Chalk  
Hexagons Effect



▲ Dolomite  
Hexagons Effect



▲ Limestone  
Hexagons Effect



▲ Flint  
Hexagons Effect





## ✓ Availability

### All Sizes

- MIN01N Chalk Natural Finish
- MIN02N Dolomite Natural Finish
- MIN03N Limestone Natural Finish
- MIN04N Flint Natural Finish
- MIN05N Slate Natural Finish

### 900x900x9mm, 900x450x9mm, 600x600x9mm & 600x300x9mm ONLY

- MIN01B Chalk Bush Hammered Finish
- MIN02B Dolomite Bush Hammered Finish
- MIN03B Limestone Bush Hammered Finish
- MIN04B Flint Bush Hammered Finish
- MIN05B Slate Bush Hammered Finish

### 900x900x9mm, 600x600x9mm, 600x300x9mm, 600x100x9mm & 600x50x9mm ONLY

- MIN01G Chalk Grip Finish
- MIN02G Dolomite Grip Finish
- MIN03G Limestone Grip Finish
- MIN04G Flint Grip Finish
- MIN05G Slate Grip Finish

### 900x300x11mm ONLY

- MIN01D Chalk Dots Natural Finish
- MIN02D Dolomite Dots Natural Finish
- MIN03D Limestone Dots Natural Finish
- MIN04D Flint Dots Natural Finish
- MIN01L Chalk Linear Natural Finish
- MIN02L Dolomite Linear Natural Finish
- MIN03L Limestone Linear Natural Finish
- MIN04L Flint Linear Natural Finish

- MIN01H Chalk Hexagons Natural Finish
- MIN02H Dolomite Hexagons Natural Finish
- MIN03H Limestone Hexagons Natural Finish
- MIN04H Flint Hexagons Natural Finish

### All Mosaics

- MIN1NM Chalk Natural Finish
- MIN2NM Dolomite Natural Finish
- MIN3NM Limestone Natural Finish
- MIN4NM Flint Natural Finish
- MIN5NM Slate Natural Finish

### All Fittings

- MIN1NS Chalk Natural Finish
- MIN2NS Dolomite Natural Finish
- MIN3NS Limestone Natural Finish
- MIN4NS Flint Natural Finish
- MIN5NS Slate Natural Finish

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

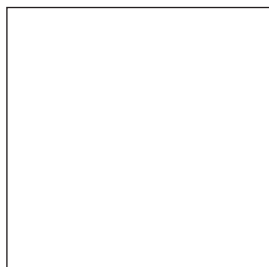
# MODE

UN-GLAZED PORCELAIN | WALL & FLOOR TILES



## Five Size Formats

Available Sizes:



**600x600mm**

10.5mm thick + 11mm thick



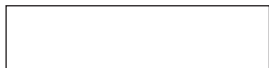
**600x300mm**

10.5mm thick + 11mm thick



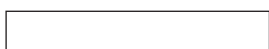
**600x200mm**

11mm thick



**600x150mm**

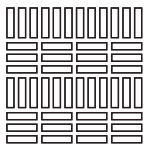
11mm thick



**600x100mm**

11mm thick

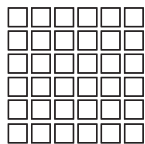
Available Mosaics:



Sheet Size: **300x300mm**

Tessera Size: **75x25mm**

11mm thick



Sheet Size: **300x300mm**

Tessera Size: **45x45mm**

11mm thick

Available Fitting: Skirting



**600x100mm Round Top**

10.5mm thick + 11mm thick



## Three Finishes

Available Finishes:

**N** Natural Finish

**P** Polished Finish

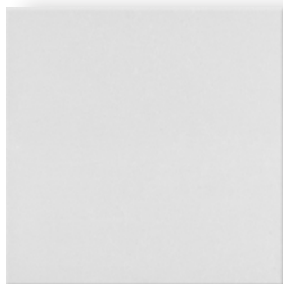
**B** Bush Hammered Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

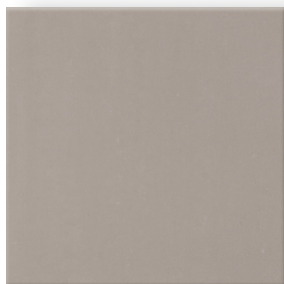


## Eight Colour Options

Available Colours:



▲ Cotton



▲ Sable



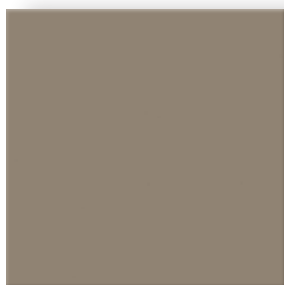
▲ Straw



▲ Sepia



▲ Pebble



▲ Mink

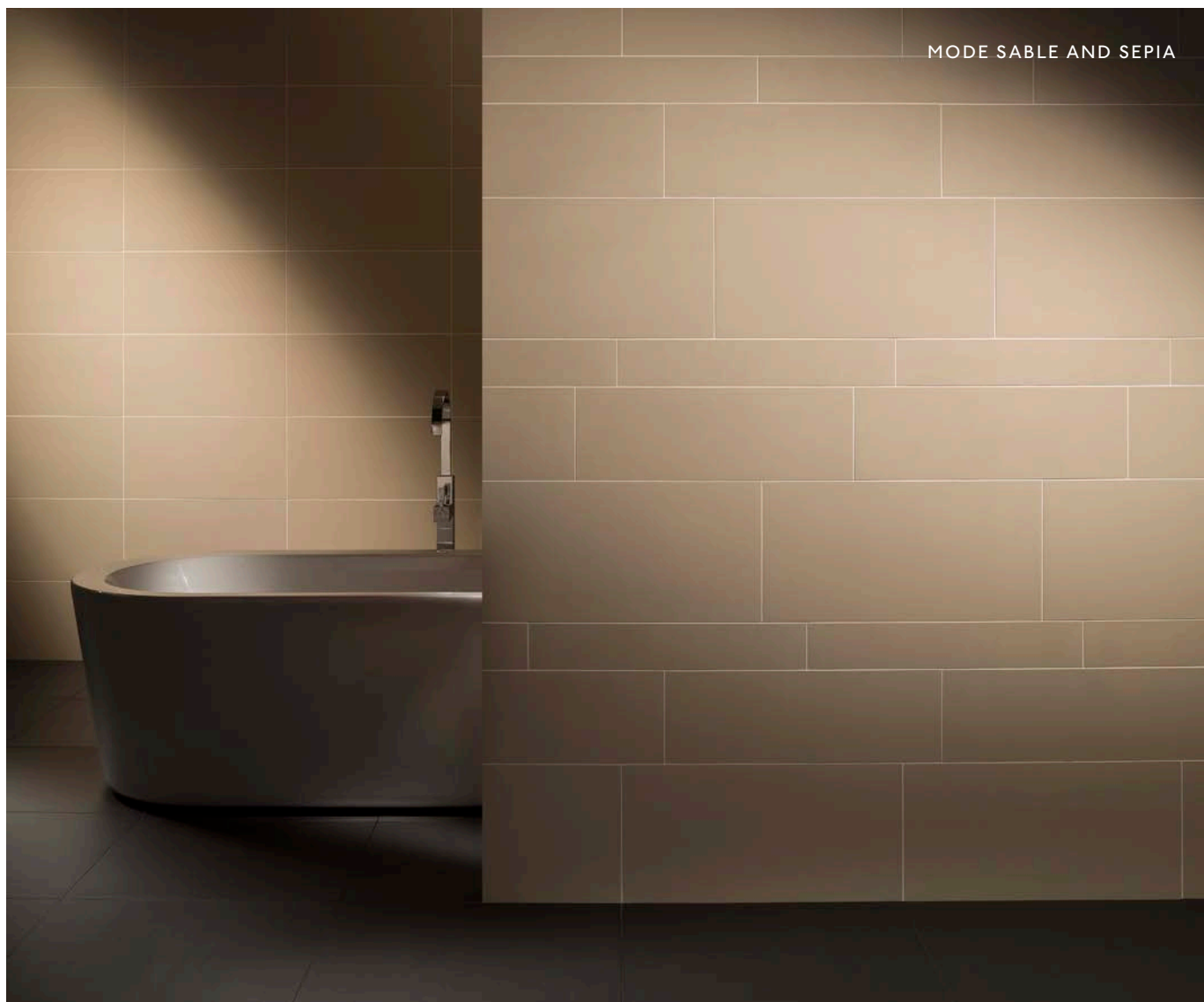


▲ Nimbus



▲ Coal





MODE SABLE AND SEPIA

## ✓ Availability

### All Sizes [11mm thick] ONLY

- MOD01N Cotton Natural Finish
- MOD02N Sable Natural Finish
- MOD03N Straw Natural Finish
- MOD04N Sepia Natural Finish
- MOD05N Pebble Natural Finish
- MOD06N Mink Natural Finish
- MOD07N Nimbus Natural Finish
- MOD08N Coal Natural Finish
- MOD01B Cotton Bush Hammered Finish
- MOD02B Sable Bush Hammered Finish
- MOD03B Straw Bush Hammered Finish
- MOD04B Sepia Bush Hammered Finish
- MOD05B Pebble Bush Hammered Finish
- MOD06B Mink Bush Hammered Finish
- MOD07B Nimbus Bush Hammered Finish
- MOD08B Coal Bush Hammered Finish

### 600x600x10.5mm & 600x300x10.5mm ONLY

- MOD01P Cotton Polished Finish
- MOD02P Sable Polished Finish
- MOD03P Straw Polished Finish
- MOD04P Sepia Polished Finish
- MOD05P Pebble Polished Finish
- MOD06P Mink Polished Finish
- MOD07P Nimbus Polished Finish
- MOD08P Coal Polished Finish

### 300x300x11mm [75x25mm Mosaic]

- MOD1MM Cotton Mixed Natural/Polished/Bush Hammered Finish
- MOD2MM Sable Mixed Natural/Polished/Bush Hammered Finish
- MOD3MM Straw Mixed Natural/Polished/Bush Hammered Finish
- MOD4MM Sepia Mixed Natural/Polished/Bush Hammered Finish
- MOD5MM Pebble Mixed Natural/Polished/Bush Hammered Finish
- MOD6MM Mink Mixed Natural/Polished/Bush Hammered Finish
- MOD7MM Nimbus Mixed Natural/Polished/Bush Hammered Finish
- MOD8MM Coal Mixed Natural/Polished/Bush Hammered Finish

### 600x100x11mm Round Top [Skirting]

- MOD1NS Cotton Natural Finish
- MOD2NS Sable Natural Finish
- MOD3NS Straw Natural Finish
- MOD4NS Sepia Natural Finish
- MOD5NS Pebble Natural Finish
- MOD6NS Mink Natural Finish
- MOD7NS Nimbus Natural Finish
- MOD8NS Coal Natural Finish
- MOD1BS Cotton Bush Hammered Finish
- MOD2BS Sable Bush Hammered Finish
- MOD3BS Straw Bush Hammered Finish
- MOD4BS Sepia Bush Hammered Finish
- MOD5BS Pebble Bush Hammered Finish
- MOD6BS Mink Bush Hammered Finish
- MOD7BS Nimbus Bush Hammered Finish
- MOD8BS Coal Bush Hammered Finish

### 300x300x11mm [45x45mm Mosaic]

- MOD1MS Cotton Mixed Natural/Polished/Bush Hammered Finish
- MOD2MS Sable Mixed Natural/Polished/Bush Hammered Finish
- MOD3MS Straw Mixed Natural/Polished/Bush Hammered Finish
- MOD4MS Sepia Mixed Natural/Polished/Bush Hammered Finish
- MOD5MS Pebble Mixed Natural/Polished/Bush Hammered Finish
- MOD6MS Mink Mixed Natural/Polished/Bush Hammered Finish
- MOD7MS Nimbus Mixed Natural/Polished/Bush Hammered Finish
- MOD8MS Coal Mixed Natural/Polished/Bush Hammered Finish

### 300x300x11mm [45x45mm Mosaic]

- MOD1SM Cotton Natural Finish
- MOD2SM Sable Natural Finish
- MOD3SM Straw Natural Finish
- MOD4SM Sepia Natural Finish
- MOD5SM Pebble Natural Finish
- MOD6SM Mink Natural Finish
- MOD7SM Nimbus Natural Finish
- MOD8SM Coal Natural Finish

### 600x100x10.5mm Round Top [Skirting]

- MOD1PS Cotton Polished Finish
- MOD2PS Sable Polished Finish
- MOD3PS Straw Polished Finish
- MOD4PS Sepia Polished Finish
- MOD5PS Pebble Polished Finish
- MOD6PS Mink Polished Finish
- MOD7PS Nimbus Polished Finish
- MOD8PS Coal Polished Finish

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

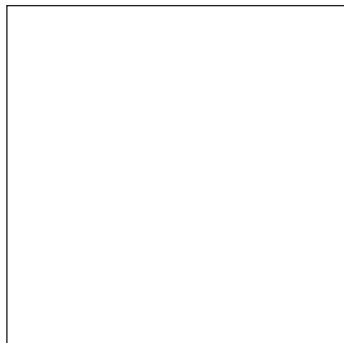
# OXIDE

GLAZED PORCELAIN | WALL & FLOOR TILES



## Three Size Formats

Available Sizes:



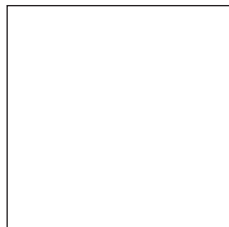
900x900mm

10.5mm thick



900x295mm

10.5mm thick



600x600mm

10.5mm thick



## One Finish

Available Finish:



Natural Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Three Colour Options

Available Colours:



▲ Bronze



▲ Dark Grey



▲ Light Grey





OXIDE DARK GREY

## ✓ Availability

### All Sizes

- OXI01N Bronze Natural Finish   - OXI02N Dark Grey Natural Finish   - OXI03N Light Grey Natural Finish

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

# POOLS

GLAZED PORCELAIN | WALL & FLOOR TILES



## Two Size Formats

Available Sizes:



250x125mm [Ref. 122]

8mm thick



250x62mm [Ref. 052]

8mm thick

N.B. Co-ordinating Pools fittings are also available, please visit [www.johnson-tiles.com/catalog/range/pools](http://www.johnson-tiles.com/catalog/range/pools) for more details.



## Two Finishes

Available Finishes:

☐ S Smooth Finish

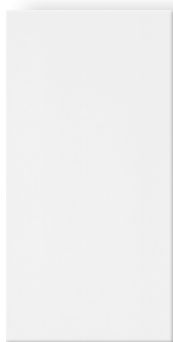
☐ A Antislip Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Thirteen Colour Options

Available Colours:



▲ White



▲ Azure



▲ Marine



▲ Prussian Blue



▲ Ultra Marine



▲ Cream



▲ Lime



▲ Olive



▲ Red



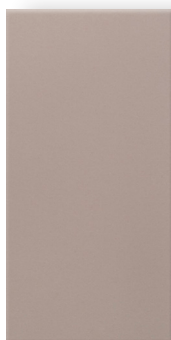
▲ Yellow



▲ Steel

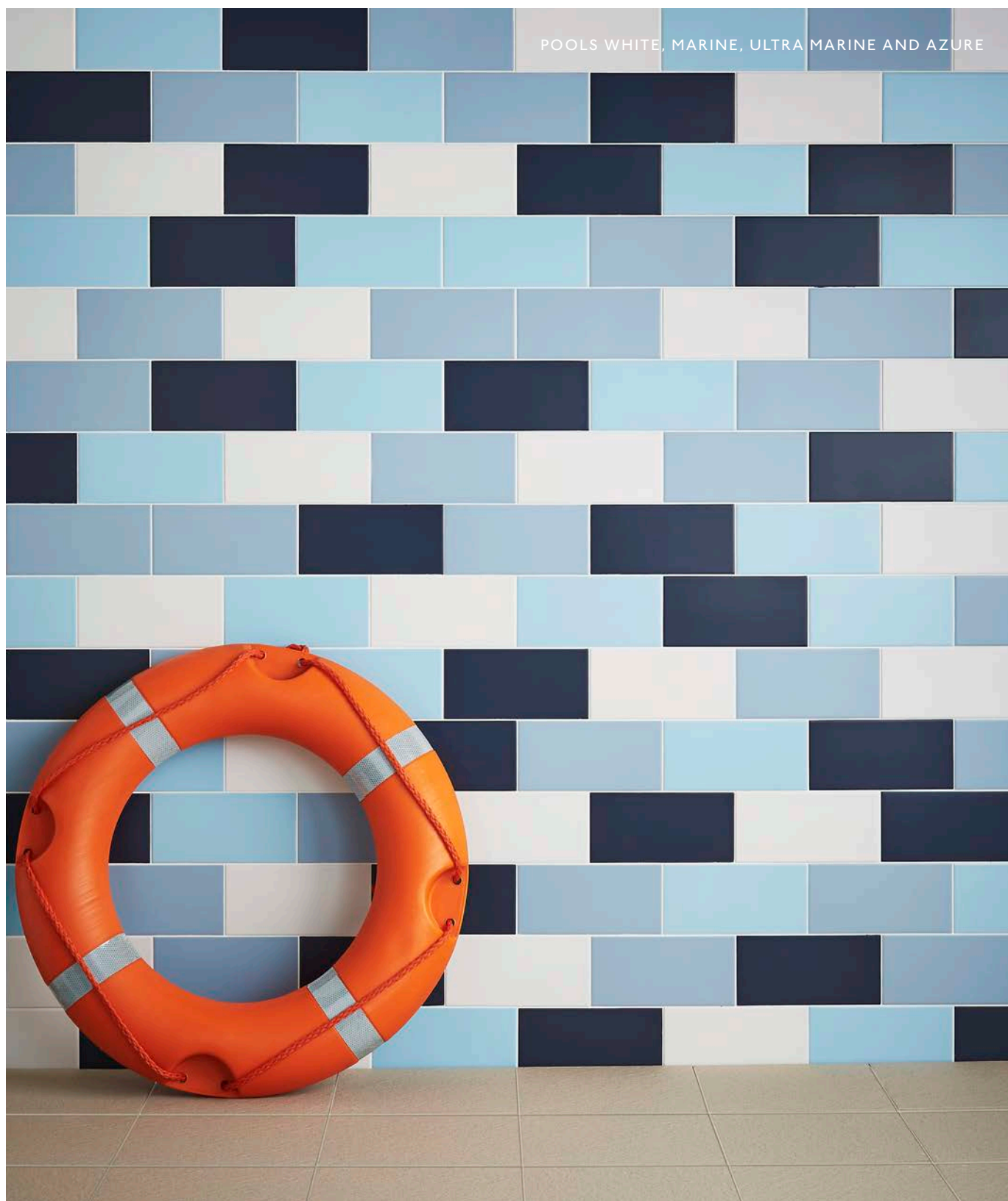


▲ Black



▲ Caramel





POOLS WHITE, MARINE, ULTRA MARINE AND AZURE

## ✓ Availability

### All Sizes

- Ref. 122 AP845N White Smooth Finish
- Ref. 122 AP841N Azure Smooth Finish
- Ref. 122 AP843N Marine Smooth Finish
- Ref. 122 AP074N Prussian Blue Smooth Finish
- Ref. 122 AP075N Ultra Marine Smooth Finish
- Ref. 122 AP072N Cream Smooth Finish
- Ref. 122 AP070N Lime Smooth Finish
- Ref. 122 AP071N Olive Smooth Finish
- Ref. 122 AP629N Red Smooth Finish
- Ref. 122 AP630N Yellow Smooth Finish
- Ref. 122 AP850N Steel Smooth Finish
- Ref. 122 AP852N Black Smooth Finish
- Ref. 122 AP853N Caramel Smooth Finish

### 250x125x8mm ONLY

- Ref. 122 AP845A White Antislip Finish
- Ref. 122 AP841A Azure Antislip Finish
- Ref. 122 AP843A Marine Antislip Finish
- Ref. 122 AP850A Steel Antislip Finish
- Ref. 122 AP852A Black Antislip Finish
- Ref. 122 AP853A Caramel Antislip Finish

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

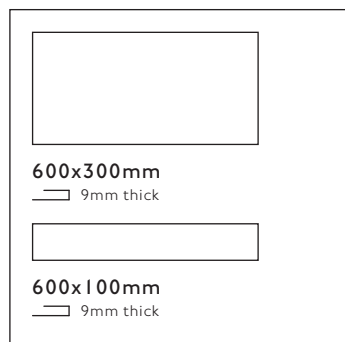
# REFINE

PORCELAIN | WALL & FLOOR TILES



## Five Size Formats

Available Sizes:



**600x300mm**

9mm thick

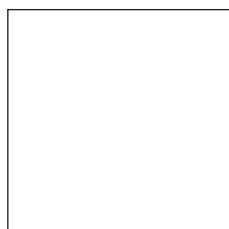
**600x100mm**

9mm thick



**900x450mm**

9mm thick



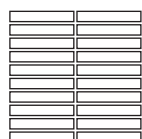
**600x600mm**

9mm thick

**900x900mm**

9mm thick

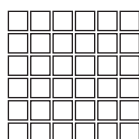
Available Mosaics:



Sheet Size: **300x300mm**

Tessera Size: **150x30mm**

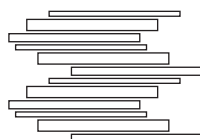
9mm thick



Sheet Size: **300x300mm**

Tessera Size: **50x50mm**

9mm thick



Sheet Size: **300x300mm**

Tessera Size: **Mixed Strips**

9mm thick



## Two Finishes

Available Finishes:

**N**

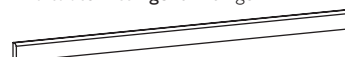
Natural Finish

**G**

Grip Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

Available Fittings: Skirtings



**900x50mm Bevel Top**

9mm thick



**600x50mm Bevel Top**

9mm thick



## Four Colour Options

Available Colours:



▲ Dune



▲ Pewter



▲ Lavastone



▲ Basalt





REFINE DUNE

## ✓ Availability

### All Sizes

- REF01N Dune Natural Finish
- REF02N Pewter Natural Finish
- REF03N Lavastone Natural Finish
- REF04N Basalt Natural Finish

### All Sizes EXCEPT 900x450x9mm

- REF01G Dune Grip Finish
- REF02G Pewter Grip Finish
- REF03G Lavastone Grip Finish
- REF04G Basalt Grip Finish

### All Mosaics

- REF1NM Dune Natural Finish
- REF2NM Pewter Natural Finish
- REF3NM Lavastone Natural Finish
- REF4NM Basalt Natural Finish

### All Fittings

- REF1NS Dune Natural Finish
- REF2NS Pewter Natural Finish
- REF3NS Lavastone Natural Finish
- REF4NS Basalt Natural Finish

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

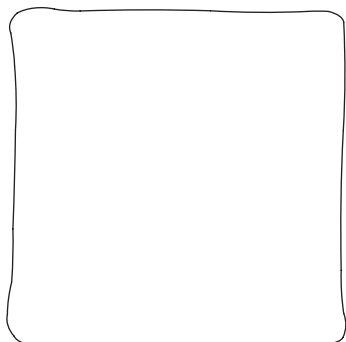
# SOHO

GLAZED VITRIFIED | WALL TILES



## One Size Format

Available Size:



140x140mm

8mm thick



## One Finish

Available Finish:



Matt Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Nine Colour Options

Available Colours:



▲ White



▲ Beige



▲ Beige Diamond Décor



▲ Grey



▲ Grey Tulip Décor



▲ Blue



▲ Blue Square Décor



▲ Blue Cube Décor



▲ Blue Circles Décor





SOHO BLUE CUBE DÉCOR

## ✓ Availability

140x140x8mm

- SOH01A White Matt Finish
- SOH02A Beige Matt Finish
- SOH02C Beige Diamond Décor Matt Finish
- SOH03A Grey Matt Finish
- SOH03B Grey Tulip Décor Matt Finish
- SOH04A Blue Matt Finish
- SOH04B Blue Square Décor Matt Finish
- SOH04C Blue Cube Décor Matt Finish
- SOH04D Blue Circles Décor Matt Finish

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

# STRANDS

PORCELAIN | WALL & FLOOR TILES

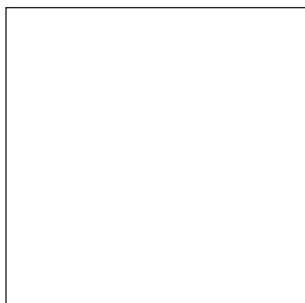


## Four Size Formats

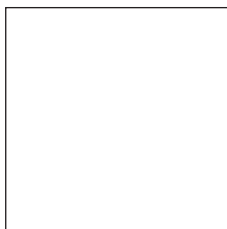
Available Sizes:



1200x600mm  
7.5mm thick



800x800mm  
7.5mm thick



600x600mm  
7.5mm thick



600x300mm  
7.5mm thick



## Two Finishes

Available Finishes:



Natural Finish



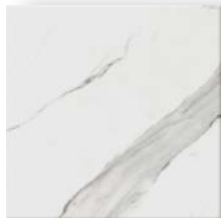
Polished Finish

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Thirteen Colour Options

Available Colours:



▲ Calacatta Marble



▲ Carrara Marble



▲ Veneto Marble



▲ White Quartz



▲ Onyx Marble



▲ Zinc Granite



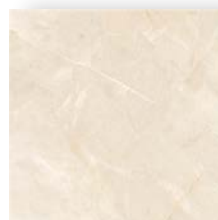
▲ Silver Granite



▲ Gold Granite



▲ Lime Stone



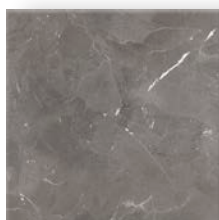
▲ Soap Stone



▲ Earth Stone



▲ Rosa Quartz



▲ Grey Quartz





STRANDS VENETO MARBLE

## ✓ Availability

### 1200x600x7.5mm & 800x800x7.5mm ONLY

- |  |   |
|--|---|
| - STR01N Silver Granite Natural Finish   | - STR01P Silver Granite Polished Finish   |
| - STR02N Earth Stone Natural Finish      | - STR02P Earth Stone Polished Finish      |
| - STR03N Calacatta Marble Natural Finish | - STR03P Calacatta Marble Polished Finish |
| - STR04N Gold Granite Natural Finish     | - STR04P Gold Granite Polished Finish     |
| - STR05N Carrara Marble Natural Finish   | - STR05P Carrara Marble Polished Finish   |
| - STR06N Veneto Marble Natural Finish    | - STR06P Veneto Marble Polished Finish    |
| - STR07N Lime Stone Natural Finish       | - STR07P Lime Stone Polished Finish       |
| - STR08N White Quartz Natural Finish     | - STR08P White Quartz Polished Finish     |
| - STR09N Grey Quartz Natural Finish      | - STR09P Grey Quartz Polished Finish      |
| - STR10N Rosa Granite Natural Finish     | - STR10P Rosa Granite Polished Finish     |
| - STR11N Onyx Marble Natural Finish      | - STR11P Onyx Marble Polished Finish      |
| - STR12N Zinc Granite Natural Finish     | - STR12P Zinc Granite Polished Finish     |
| - STR13N Soap Stone Natural Finish       | - STR13P Soap Stone Polished Finish       |

### All Sizes

- STR04N Gold Granite Natural Finish
- STR11N Onyx Marble Natural Finish
- STR12N Zinc Granite Natural Finish
- STR04P Gold Granite Polished Finish
- STR11P Onyx Marble Polished Finish
- STR12P Zinc Granite Polished Finish

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

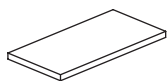
# SUBWAY LAB

GLAZED CERAMIC | WALL TILES

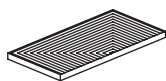


## Two Size Formats

Available Sizes:



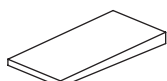
**150x75mm Liso M**  
8mm thick



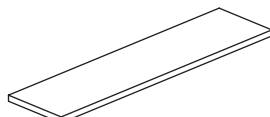
**150x75mm Canale M**  
8mm thick



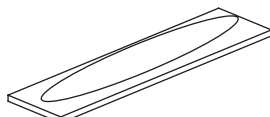
**150x75mm Peak**  
8mm thick



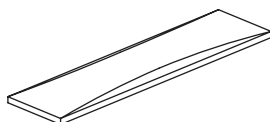
**150x75mm Delta M**  
8mm thick



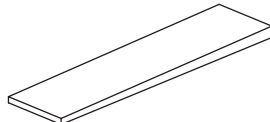
**300x75mm Liso XL**  
8mm thick



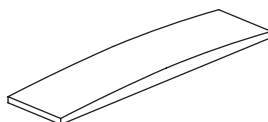
**300x75mm Dome**  
8mm thick



**300x75mm New Bevel**  
8mm thick



**300x75mm Delta XL**  
8mm thick



**300x75mm Arch XL**  
8mm thick



## Two Finishes

Available Finishes:



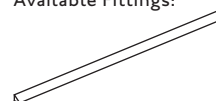
**Gloss Finish**



**Matt Finish**

**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

Available Fittings:



**300x8mm Edge XL**  
8mm thick



**150x8mm Edge M**  
8mm thick

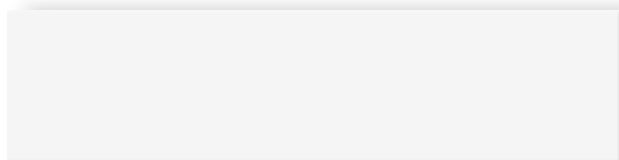


**8x8mm Corner**  
8mm thick



## Seven Colour Options

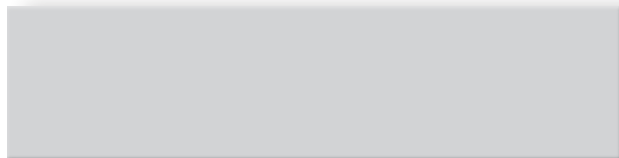
Available Colours:



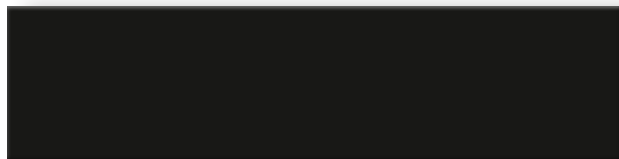
▲ Ice White



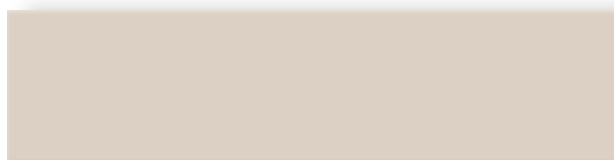
▲ Cotton



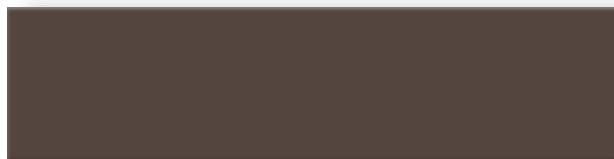
▲ Pearl



▲ Graphite



▲ Natural

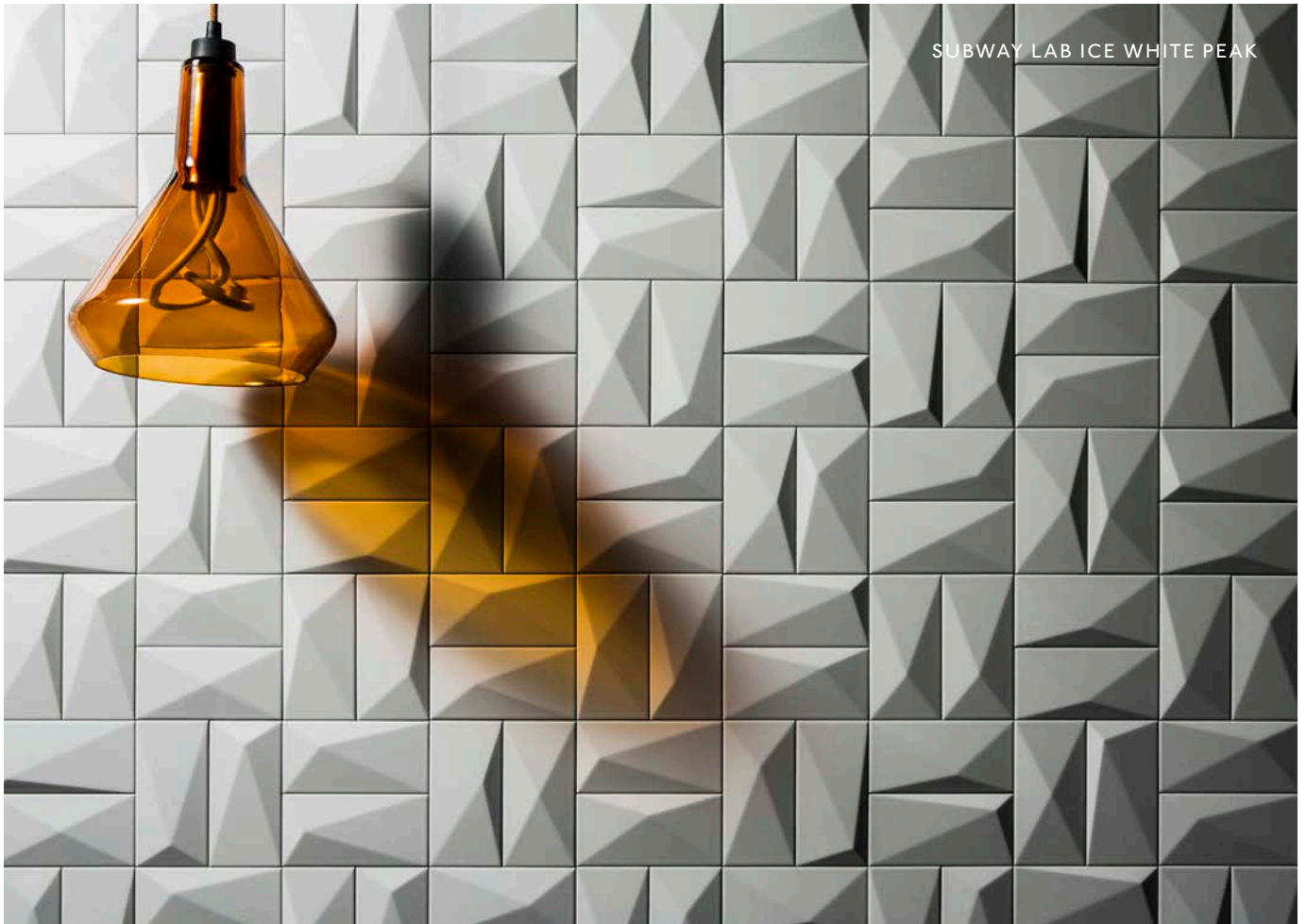


▲ Earth



▲ Ash Grey





## ✓ Availability

### 150x75x8mm Liso M & 300x75x8mm Liso XL

- SUB01L Ash Grey Gloss Finish
- SUB03L Cotton Gloss Finish
- SUB04L Earth Gloss Finish
- SUB06L Graphite Gloss Finish
- SUB08L Ice White Gloss Finish
- SUB10L Natural Gloss Finish
- SUB12L Pearl Gloss Finish
- SUB02L Ash Grey Matt Finish
- SUB05L Earth Matt Finish
- SUB07L Graphite Matt Finish
- SUB09L Ice White Matt Finish
- SUB11L Natural Matt Finish

### 150x75x8mm Peak

- SUB01P Ash Grey Gloss Finish
- SUB03P Cotton Gloss Finish
- SUB04P Earth Gloss Finish
- SUB06P Graphite Gloss Finish
- SUB08P Ice White Gloss Finish
- SUB10P Natural Gloss Finish
- SUB12P Pearl Gloss Finish
- SUB02P Ash Grey Matt Finish
- SUB05P Earth Matt Finish
- SUB07P Graphite Matt Finish
- SUB09P Ice White Matt Finish
- SUB11P Natural Matt Finish

### 300x75x8mm Dome

- SUB01O Ash Grey Gloss Finish
- SUB03O Cotton Gloss Finish
- SUB04O Earth Gloss Finish
- SUB06O Graphite Gloss Finish
- SUB08O Ice White Gloss Finish
- SUB10O Natural Gloss Finish
- SUB12O Pearl Gloss Finish
- SUB02O Ash Grey Matt Finish
- SUB05O Earth Matt Finish
- SUB07O Graphite Matt Finish
- SUB09O Ice White Matt Finish
- SUB11O Natural Matt Finish

### 300x75x8mm Arch XL

- SUB02D Ash Grey Matt Finish
- SUB05D Earth Matt Finish
- SUB07D Graphite Matt Finish
- SUB09D Ice White Matt Finish
- SUB11D Natural Matt Finish

### All Fittings

- SUB01E Ash Grey Gloss Finish
- SUB03E Cotton Gloss Finish
- SUB04E Earth Gloss Finish
- SUB06E Graphite Gloss Finish
- SUB08E Ice White Gloss Finish
- SUB10E Natural Gloss Finish
- SUB12E Pearl Gloss Finish

### 150x75x8mm Canale M

- SUB01C Ash Grey Gloss Finish
- SUB03C Cotton Gloss Finish
- SUB04C Earth Gloss Finish
- SUB06C Graphite Gloss Finish
- SUB08C Ice White Gloss Finish
- SUB10C Natural Gloss Finish
- SUB12C Pearl Gloss Finish
- SUB02C Ash Grey Matt Finish
- SUB05C Earth Matt Finish
- SUB07C Graphite Matt Finish
- SUB09C Ice White Matt Finish
- SUB11C Natural Matt Finish

### 150x75x8mm Delta M & 300x75x8mm Delta XL

- SUB02D Ash Grey Matt Finish
- SUB05D Earth Matt Finish
- SUB07D Graphite Matt Finish
- SUB09D Ice White Matt Finish
- SUB11D Natural Matt Finish

### 300x75x8mm New Bevel

- SUB01B Ash Grey Gloss Finish
- SUB03B Cotton Gloss Finish
- SUB04B Earth Gloss Finish
- SUB06B Graphite Gloss Finish
- SUB08B Ice White Gloss Finish
- SUB10B Natural Gloss Finish
- SUB12B Pearl Gloss Finish
- SUB02B Ash Grey Matt Finish
- SUB05B Earth Matt Finish
- SUB07B Graphite Matt Finish
- SUB09B Ice White Matt Finish
- SUB11B Natural Matt Finish

- SUB02E Ash Grey Matt Finish
- SUB05E Earth Matt Finish
- SUB07E Graphite Matt Finish
- SUB09E Ice White Matt Finish
- SUB11E Natural Matt Finish

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

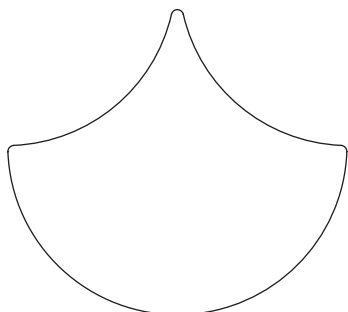
# SYMMETRY

GLAZED CERAMIC | WALL TILES



## One Size Format

Available Size:



150x135mm Scales

10mm thick



## One Finish

Available Finish:



Gloss Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.



## Four Colour Options

Available Colours:



▲ White



▲ Cream



▲ Flame



▲ Raspberry



▲ Jade



▲ Leaf



▲ Storm



▲ Harebell



▲ Cloud



▲ Zinc



▲ Midnight



▲ Black





## ✓ Availability

### 150x135x10mm Scales

- |                                 |                                |                                |
|---------------------------------|--------------------------------|--------------------------------|
| - SYM01A White Gloss Finish     | - SYM05A Jade Gloss Finish     | - SYM09A Cloud Gloss Finish    |
| - SYM02A Cream Gloss Finish     | - SYM06A Leaf Gloss Finish     | - SYM10A Zinc Gloss Finish     |
| - SYM03A Flame Gloss Finish     | - SYM07A Storm Gloss Finish    | - SYM11A Midnight Gloss Finish |
| - SYM04A Raspberry Gloss Finish | - SYM08A Harebell Gloss Finish | - SYM12A Black Gloss Finish    |

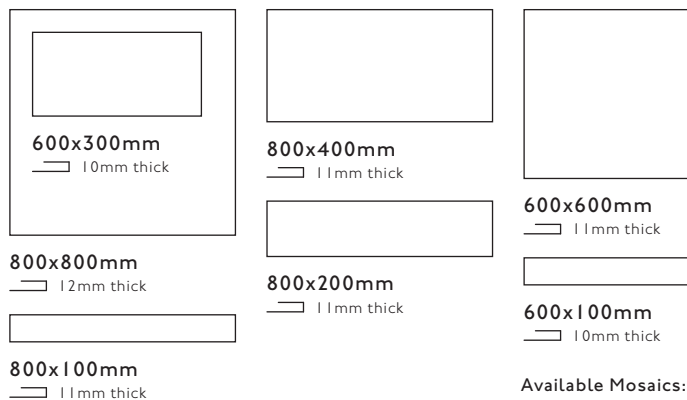
N.B For the most up-to-date availability information, please visit our website - [www.johnson-tiles.com](http://www.johnson-tiles.com)

# TETRA

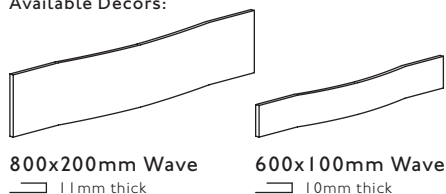
UN-GLAZED PORCELAIN | WALL & FLOOR TILES

## Seven Size Formats

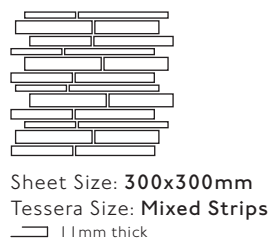
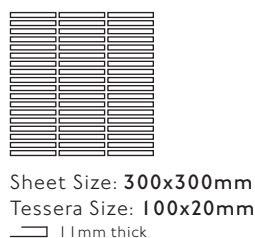
Available Sizes:



Available Décors:



Available Mosaics:



## Three Finishes

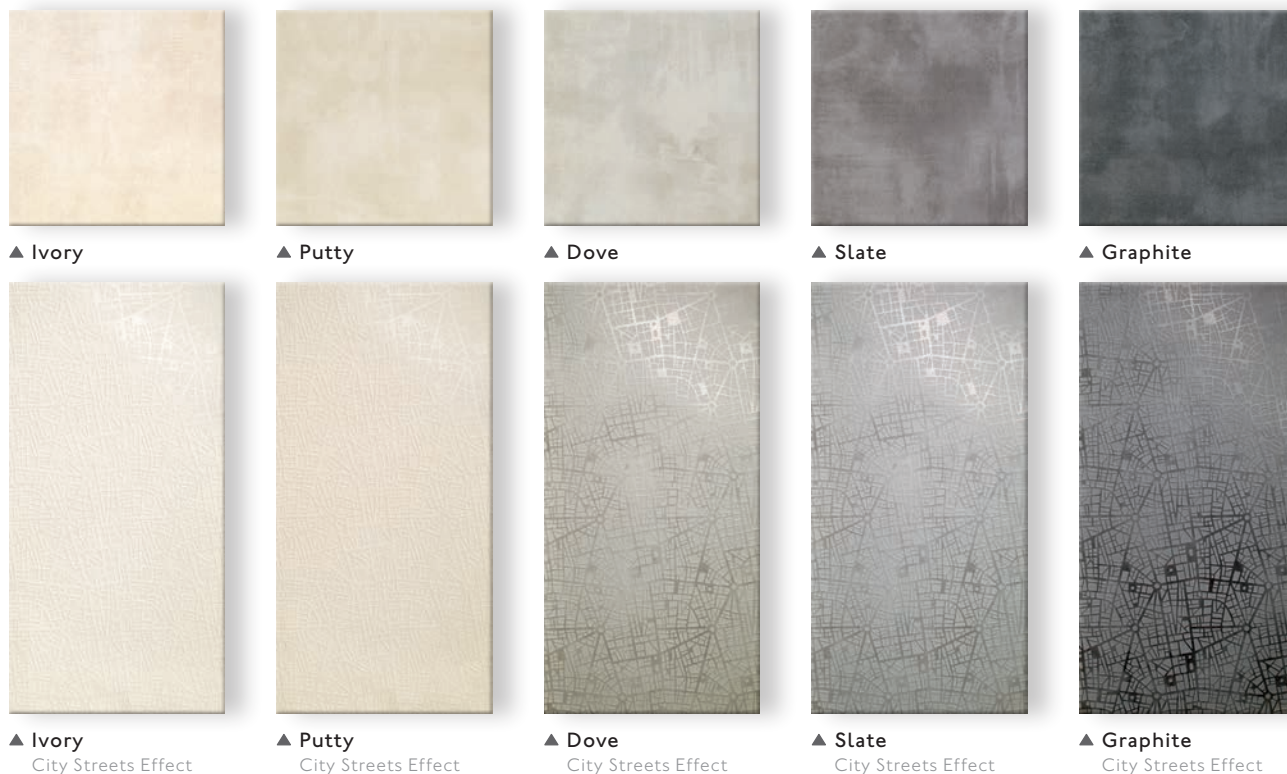
Available Finishes:

- N** Natural Finish
- L** Lapato Finish
- G** Grip Finish

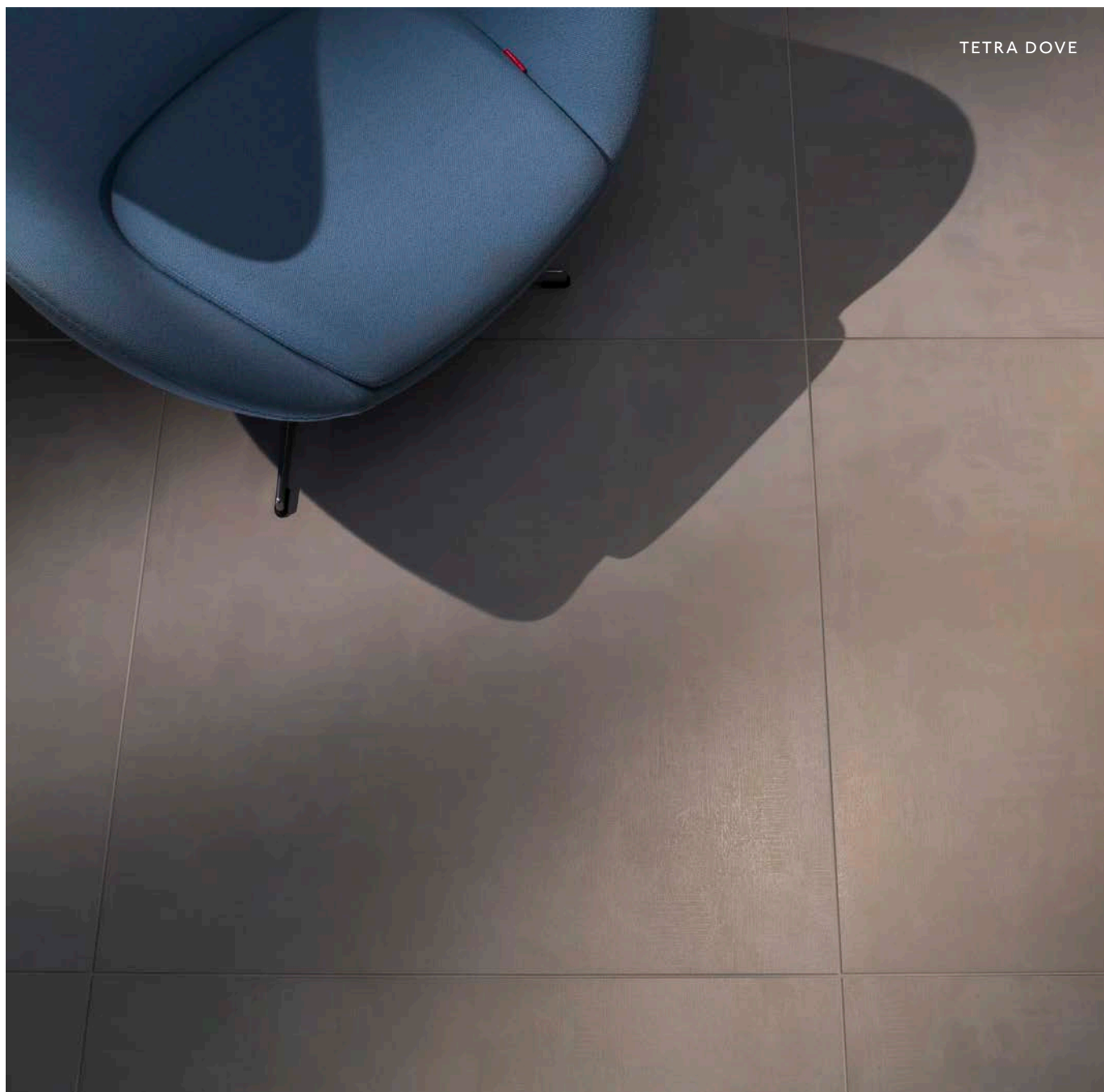
**N.B.** For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

## Five Colour Options

Available Colours:







TETRA DOVE

## ✓ Availability

### All Sizes

- TET01N Ivory Natural Finish
- TET02N Putty Natural Finish
- TET03N Dove Natural Finish
- TET04N Slate Natural Finish
- TET05N Graphite Natural Finish
- TET01L Ivory Lapato Finish
- TET02L Putty Lapato Finish
- TET03L Dove Lapato Finish
- TET04L Slate Lapato Finish
- TET05L Graphite Lapato Finish

### 800x800x12mm & 600x600x11mm ONLY

- TET02G Putty Grip Finish
- TET03G Dove Grip Finish
- TET04G Slate Grip Finish
- TET05G Graphite Grip Finish

### 800x400x11mm ONLY

- TET01D Ivory City Streets Lapato Finish
- TET02D Putty City Streets Lapato Finish
- TET03D Dove City Streets Lapato Finish
- TET04D Slate City Streets Lapato Finish
- TET05D Graphite City Streets Lapato Finish

### All Décors

- TET1NW Ivory Natural Finish
- TET2NW Putty Natural Finish
- TET3NW Dove Natural Finish
- TET4NW Slate Natural Finish
- TET5NW Graphite Natural Finish
- TET1LW Ivory Lapato Finish
- TET2LW Putty Lapato Finish
- TET3LW Dove Lapato Finish
- TET4LW Slate Lapato Finish
- TET5LW Graphite Lapato Finish

### All Mosaics

- TET1NM Ivory Natural Finish
- TET2NM Putty Natural Finish
- TET3NM Dove Natural Finish
- TET4NM Slate Natural Finish
- TET5NM Graphite Natural Finish
- TET1LM Ivory Lapato Finish
- TET2LM Putty Lapato Finish
- TET3LM Dove Lapato Finish
- TET4LM Slate Lapato Finish
- TET5LM Graphite Lapato Finish

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



# URBAN CHIC

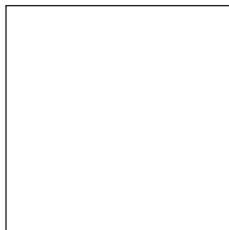
GLAZED PORCELAIN | WALL & FLOOR TILES

## Three Size Formats

Available Sizes:



1200x600mm  
10mm thick



600x600mm  
10mm thick



600x300mm  
9.5mm thick

## One Finish

Available Finish:

 Natural Finish

N.B. For full details on specification and suitability please see page 54. For advice on technical issues please contact our technical helpline.

## Six Colour Options

Available Colours:



▲ Cloud



▲ Smoke



▲ Jet



▲ Royal Blue



▲ Sage



▲ Turmeric



## ✓ Availability

### All Sizes

- CHIC1F Cloud Natural Finish
- CHIC2F Smoke Natural Finish
- CHIC3F Jet Natural Finish
- CHIC4F Royal Blue Natural Finish
- CHIC5F Sage Natural Finish
- CHIC6F Turmeric Natural Finish

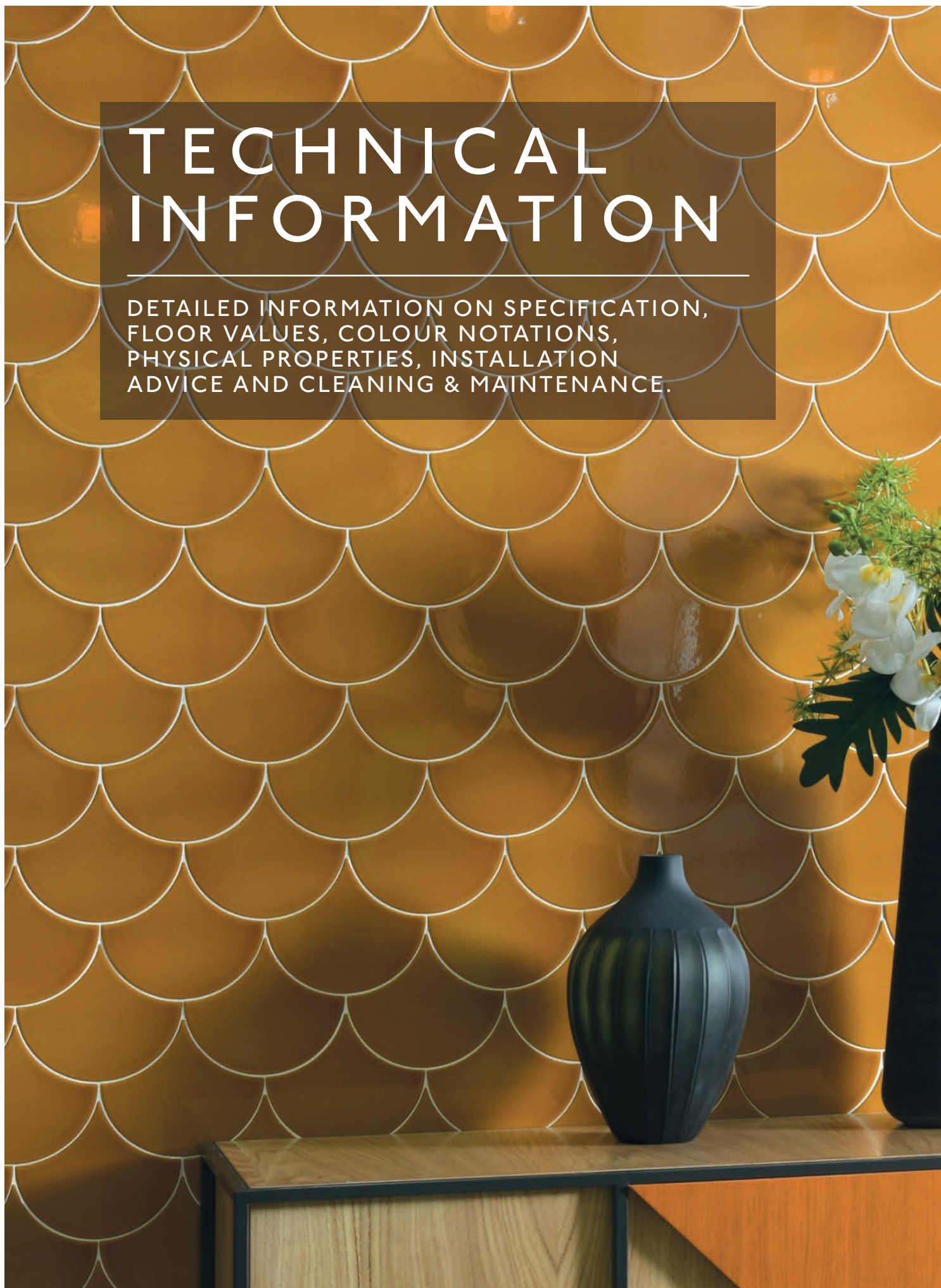
N.B For the most up-to-date availability information, please visit our website - [www.johnson-tiles.com](http://www.johnson-tiles.com)



# TECHNICAL INFORMATION

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DETAILED INFORMATION ON SPECIFICATION,  
FLOOR VALUES, COLOUR NOTATIONS,  
PHYSICAL PROPERTIES, INSTALLATION  
ADVICE AND CLEANING & MAINTENANCE.





SYMMETRY FLAME



## Technical Information

### Specification

Range	Size	Wall Usage	Floor Usage	CSV	Material
Antique	1020x160x10.5mm	Internal & External	Internal	V3	Glazed Porcelain [Bla]
Arich	All Sizes	Internal & External	Internal & External *	V2	Un-Glazed Porcelain [Bla]
* Only products in the Smoke and Graphite colourways with the Slate effect are suitable for external floor applications.					
Artisan	All Sizes	Internal & External	Internal	V3	Porcelain [Bla]
Avoir	All Sizes	Internal & External	Internal	V2	Glazed Porcelain [Bla]
Baker Street	300x75x9mm	Internal	-	V1	Glazed Ceramic [BIII]
Baseline	All Sizes	Internal & External	Internal	V1	Porcelain [Bla]
Brics	250x60x10mm	Internal & External	Internal & External	V4	Glazed Porcelain [Bla]
Buckingham	All Sizes	Internal & External	Internal	V2	Glazed Porcelain [Bla]
Centaurus	All Sizes	Internal & External	Internal & External *	V2	Un-Glazed Porcelain [Bla]
* Only products in the Graphite colourway with the Bush Hammered finish are suitable for external floor applications.					
Conglomerates	All Sizes	Internal & External	Internal & External *	V2	Un-Glazed Porcelain [Bla]
* Only products with the Grip finish are suitable for external floor applications.					
District	All Sizes	Internal & External	Internal	V3	Porcelain [Bla]
Flare	1200x400x12.5mm	Internal	-	V1	Glazed Ceramic [BIII]
Hex25	250x220x10mm	Internal & External	Internal	V1	Glazed Porcelain [Bla]
Loft	280x70x8mm	Internal & External	Internal	V4	Glazed Porcelain [Bla]
Minerals	900x300x11mm	Internal	-	V2	Glazed Ceramic [BIII]
	All Other Sizes	Internal & External	Internal	V2	Porcelain [Bla]
Mode	All Sizes	Internal & External	Internal & External *	V2	Un-Glazed Porcelain [Bla]
* Only products with the Bush Hammered finish are suitable for external floor applications.					
Oxide	All Sizes	Internal & External	Internal	V2	Glazed Porcelain [Bla]
Pools	All Sizes	Internal & External	Internal *	V2	Glazed Porcelain [Bla]
	All Mosaics	Internal & External	-	V1	Glass
* Only Ref. 001, 003, 007, 088, 043, 204, 205, 206 and 207 products are suitable for internal floor applications.					
Refine	All Sizes	Internal & External	Internal	V2	Porcelain [Bla]
Soho	140x140x8mm	Internal	-	V2	Glazed Vitrified [BIIa]
Strands	All Sizes	Internal & External	Internal	V3	Porcelain [Bla]
Subway Lab	All Sizes	Internal	-	V1	Glazed Ceramic [BIII]
Symmetry	150x135x10mm	Internal	-	V1	Glazed Ceramic [BIII]
Tetra	All Sizes	Internal & External	Internal	V2	Un-Glazed Porcelain [Bla]
Urban Chic	All Sizes	Internal & External	Internal	V2	Glazed Porcelain [Bla]



## Floor Values

Range [Finish]	Colour	Pendulum 4S	R Value	Wet Ramp	Wet Barefoot	PEI	Traffic
Antique [Natural] Woodgrain Effect	Teak	Dry 36+ Wet 25 - 35	-	-	-	II	Domestic
	Chestnut	Dry 36+ Wet 25 - 35	-	-	-	III	Light Commercial
	All Other Colours	Dry 36+ Wet 25 - 35	-	-	-	IV	Commercial
Antique [Grip] Woodgrain Effect	Teak	Dry 36+ Wet 36+	-	-	Yes	II	Domestic
	Chestnut	Dry 36+ Wet 36+	-	-	Yes	III	Light Commercial
	All Other Colours	Dry 36+ Wet 36+	-	-	Yes	IV	Commercial
Arich [Natural]	Smoke & Graphite	Dry 36+ Wet 36+	R9	A	-	-	Commercial
	All Other Colours	Dry 36+ Wet 36+	R9	A	-	-	Commercial
Arich [Natural] Slate Effect	Almond & Pumice	Dry 36+ Wet 25 - 35	R10	A	-	-	Commercial
	All Other Colours	Dry 36+ Wet 36+	R10	A	-	-	Commercial
Artisan [Natural] Woodgrain Effect	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Artisan [Grip] Woodgrain Effect	White Oak	Dry 36+ Wet 36+	R11	B	-	-	Commercial
	All Other Colours	Dry 36+ Wet 36+	R11	B	Yes	-	Commercial
Avoir [Natural]	Graphite	Dry 36+ Wet 0 - 24	-	-	-	I	Light Domestic
	Bone	Dry 36+ Wet 0 - 24	-	-	-	IV	Commercial
	All Other Colours	Dry 36+ Wet 0 - 24	-	-	-	II	Domestic
Baseline [Natural]	Powder & Shadow	Dry 36+ Wet 0 - 24	R9	-	-	-	Commercial
	All Other Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Brics [Natural] Brick Effect	Brooklyn Brown	Dry 36+ Wet 36+	-	-	-	II	Domestic
	Montmartre White & Octavia Beige	Dry 36+ Wet 36+	-	-	-	IV	Commercial
	All Other Colours	Dry 36+ Wet 36+	-	-	-	III	Light Commercial
Buckingham [Soft Bush Hammered]	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Centaurus [Natural]	All Colours	Dry 36+ Wet 0 - 24	R9	A	-	-	Commercial
Centaurus [Polished]	All Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Centaurus [Grip]	Slate & Wheat	Dry 36+ Wet 36+	R11	A	Yes	-	Commercial
	All Other Colours	Dry 36+ Wet 36+	R11	A	-	-	Commercial
Centaurus [Bush Hammered]	Wheat	Dry 36+ Wet 0 - 24	R10	-	-	-	Commercial
	Bone & Slate	Dry 36+ Wet 25 - 35	R10	-	-	-	Commercial
	Graphite	Dry 36+ Wet 36+	R10	-	-	-	Commercial

CONTINUED ►►►

## Technical Information

### Floor Values

Range [Finish]	Colour	Pendulum 4S	R Value	Wet Ramp	Wet Barefoot	PEI	Traffic
Conglomerates [Natural]	All Colours	Dry 36+ Wet 0 - 24	R10	-	-	-	Commercial
Conglomerates [Polished]	All Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Conglomerates [Grip]	All Colours	Dry 36+ Wet 36+	R11	C	-	-	Commercial
District [Natural]	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
District [Grip]	All Colours	Dry 36+ Wet 36+	R11	B	Yes	-	Commercial
Hex25 [Natural]	Black, Kale, Moss, Mid Blue & Red	Dry 36+ Wet 0 - 24	R9	-	-	III	Light Commercial
	All Other Colours	Dry 36+ Wet 0 - 24	R9	-	-	IV	Commercial
Hex25 [Antislip]	Black	Dry 36+ Wet 36+	R10	-	-	III	Light Commercial
	All Other Colours	Dry 36+ Wet 36+	R10	-	-	IV	Commercial
Loft [Natural]	Beige Mix	Dry 36+ Wet 0 - 24	-	-	-	IV	Commercial
Minerals [Natural]	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Minerals [Grip]	All Colours	Dry 36+ Wet 36+	R11	B	Yes	-	Commercial
Minerals [Bush Hammered]	All Colours	Dry 36+ Wet 36+	R10	B	Yes	-	Commercial
Mode [Natural]	All Colours	Dry 36+ Wet 36+	R10	-	-	-	Commercial
Mode [Polished]	All Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Mode [Bush Hammered]	All Colours	Dry 36+ Wet 36+	R11	C	Yes	-	Commercial
Oxide [Natural]	Light Grey	Dry 36+ Wet 36+	-	-	-	IV	Commercial
	All Other Colours	Dry 36+ Wet 36+	-	-	-	III	Light Commercial
Pools [Antislip]	All Colours	Dry 36+ Wet 36+	-	C	Yes	-	Commercial
Refine [Natural]	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Refine [Grip]	All Colours	Dry 36+ Wet 36+	R11	B	Yes	-	Commercial
Strands [Natural]	All Colours	Dry 36+ Wet 25 - 35	R9	-	-	-	Commercial
Strands [Polished]	All Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Tetra [Natural]	Slate & Graphite	Dry 36+ Wet 25 - 35	-	-	-	-	Commercial
	All Other Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Tetra [Lapato]	All Colours	Dry 36+ Wet 0 - 24	-	-	-	-	Commercial
Tetra [Grip]	All Colours	Dry 36+ Wet 36+	-	-	Yes	-	Commercial
Urban Chic [Natural]	Jet	Dry 36+ Wet 25 - 35	R10	-	-	II	Domestic
	Cloud & Sage	Dry 36+ Wet 25 - 35	R10	-	-	IV	Commercial
	All Other Colours	Dry 36+ Wet 25 - 35	R10	-	-	III	Light 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

Range	Colour	NCS	LRV
Antique	Acorn	3005-Y20R	42
	Birch	5005-Y50R	24
	Cedar	2005-Y50R	53
	Chestnut	6005-Y50R	18
	Teak	7000-N	13
Arich	Almond	2005-Y30R	55
	Beige	2005-Y40R	54
	Dove	2005-Y20R	55
	Graphite	7502-R	10
	Pumice	2502-Y	50
	Smoke	5502-R	21
Artisan	Aspen	6005-Y20R	18
	Hickory	4020-Y40R	26
	Highland Ash	3005-Y20R	42
	Natural Oak	3020-Y30R	36
	Walnut	7010-Y10R	12
	White Oak	2005-Y30R	55
Avoir	Beige	3005-Y50R	40
	Bone	1002-Y	72
	Cement	3502-Y	38
	Graphite	7000-N	13
	Smoke	5502-B	21
N.B. Due to the colour variation of Bone Mix, Beige Mix, Cement Mix, Smoke Mix and Graphite Mix, accurate Light Reflectance values and Colour Notations cannot be calculated. For further information, please contact our Technical Helpline.			
Baker Street	Chalk	0500-N	86
	Cobblestone	6005-Y20R	18
	Magnolia	1005-Y	74
	Sand	3010-Y30R	41
	Silver Mist	2502-Y	50
Baseline	Biscuit	3010-Y40R	39
	Dove	5005-Y20R	25
	Fossil	6005-Y80R	18
	Powder	1505-Y50R	62
	Shadow	7502-R	10
	Smoke	6005-Y80R	18
Brics	Due to the variation in colour of all tiles in Brics, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		
Buckingham	Due to the variation in colour of all tiles in Buckingham, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		
Centaurus	Bone	1505-Y40R	62
	Dove	3005-Y20R	42
	Graphite	8000-N	8
	Slate	5502-R	21
	Wheat	3010-Y30R	41
Conglomerates	Due to the variation in colour of all tiles in Conglomerates, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		
District	Anthracite	6502-Y	16
	Ash	3502-Y	38
	Stone White	1500-N	65
	Tarnished Silver	4005-Y50R	31
Flare	Eggshell	0804-Y30R	77
	Linen	2002-Y50R	55
	Simply White	0300-N	90
Hex25	Aqua	2002-B30G	48
	Black	8500-N	6
	Blue	4030-R90B	21
	Cotton	1005-Y10R	72
	Dandelion	2040-Y	47

Range	Colour	NCS	LRV
Hex25	Forest	5010-G30Y	23
	Grey	5502-R	21
	Kale	5005-G20Y	24
	Mid Blue	6010-R70B	16
	Moss	6502-Y	16
	Nude	2010-Y60R	50
	Red	2060-Y90R	19
	Rose	1515-R10B	53
	Silver	4000-N	34
	White	1002-G50Y	74
N.B. Due to the colour variation of Aster Blanco, Trident Blanco, Atom White, Fantasy Mix, Delta Blue, Delta Green and Kasbah Mix, accurate Light Reflectance values and Colour Notations cannot be calculated. For further information, please contact our Technical Helpline.			
Loft	Due to the variation in colour of all tiles in Loft, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		
Minerals	Chalk	1505-Y40R	62
	Dolomite	2005-Y50R	53
	Flint	4502-Y	29
	Limestone	3010-Y20R	40
Mode	Slate	6502-Y	16
	Coal	7500-N	11
	Cotton	2005-Y40R	54
	Mink	5005-Y50R	24
Oxide	Nimbus	6502-R	15
	Pebble	3502-Y	38
	Sable	3010-Y20R	40
	Sepia	7005-Y80R	12
	Straw	4010-Y30R	31
	Due to the variation in colour of all tiles in Oxide, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		
Pools	Azure	1030-B	54
	Black	8000-N	8
	Caramel	4005-Y50R	31
	Cream	2005-Y50R	53
	Ivory	2005-Y40R	54
	Lime	2030-G70Y	48
	Marine	7010-R70B	10
	Olive	4010-G30Y	30
	Prussian Blue	3040-R90B	24
	Red	2060-Y80R	21
	Steel	5502-R	21
	Ultra Marine	2020-R90B	45
	White	1000-N	74
	Yellow	2050-Y	43
Refine	Basalt	6000-N	19
	Dune	1505-Y50R	62
	Lavastone	6005-Y80R	18
	Pewter	4502-Y	29
Soho	Beige	3010-Y30R	41
	Blue	6020-R70B	11
	Grey	6005-Y50R	18
	White	1002-Y50R	73
N.B. Due to the colour variation of Beige Diamond, Blue Sqaure, Blue Cube, Blue Circles and Grey Tulip Décors, accurate Light Reflectance values and Colour Notations cannot be calculated. For further information, please contact our Technical Helpline.			
Strands	Due to the variation in colour of all tiles in Strands, accurate NCS and LRV readings cannot be calculated. For further information, please contact our technical helpline below.		

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## Technical Information

### Colour Notations








Range	Colour	NCS	LRV
Subway Lab	Ash Grey	4502-R	29
	Cotton	2005-Y70R	54
	Earth	7005-Y80R	12
	Graphite	8000-N	8
	Ice White	0300-N	90
	Natural	1005-Y30R	70
	Pearl	2002-Y50R	55
Symmetry	Black	9000-N	4
	Cloud	5020-B30G	19
	Cream	0505-Y	86
	Flame	3560-Y30R	18
	Harebell	1005-G10Y	73
	Jade	5030-G30Y	16
	Leaf	7020-G30Y	8
	Midnight	7020-R60B	6
	Raspberry	5040-R	8
	Storm	2502-Y	50
	White	0500-N	86
	Zinc	5020-B30G	19

Range	Colour	NCS	LRV
Tetra	Dove	3005-Y80R	42
	Graphite	7000-N	13
	Ivory	1505-Y70R	62
	Putty	1505-Y40R	62
	Slate	5502-R	21
Urban Chic	Cloud	2502-Y	50
	Jet	6502-R	29
	Royal Blue	4010-R70B	30
	Sage	4000-N	34
	Smoke	4502-Y	29
	Turmeric	3020-Y30R	36

**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 - Ceramic Tiles

Test	Standard	Requirements	Typical Test Result
 Length / Width	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 2\text{mm}$	Pass
 Thickness	EN ISO 10545 - 2	$\pm 10\% \leq \pm 0.5\text{mm}$	Pass
 Straightness of Side	EN ISO 10545 - 2	$\pm 0.3\% \leq \pm 1.5\text{mm}$	Pass
 Water Absorption	EN ISO 10545 - 3	10% to 20%	Pass
 Modulus of Rupture	EN ISO 10545 - 4	Min 15N / mm <sup>2</sup>	Pass
 Frost Resistance	EN ISO 10545 - 12		Not suitable for installations where temperatures may fall below freezing.
 Stain Resistance	EN ISO 10545 - 14	Min Class 3	Pass







N.B. Classed as BIII products [Glazed Ceramic]. All products conform to BS EN 14411.

## Physical Properties - Vitrified Tiles

Test	Standard	Requirements	Typical Test Result
 Length / Width	EN ISO 10545 - 2	$\pm 0.6\% \leq \pm 2\text{mm}$	Pass
 Thickness	EN ISO 10545 - 2	$\pm 5\% \leq \pm 0.5\text{mm}$	Pass
 Straightness of Side	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 1.5\text{mm}$	Pass
 Water Absorption	EN ISO 10545 - 3	3% to 6%	Pass
 Modulus of Rupture	EN ISO 10545 - 4	Min 22N / mm <sup>2</sup>	Pass
 Frost Resistance	EN ISO 10545 - 12		Not suitable for installations where temperatures may fall below freezing.
 Stain Resistance	EN ISO 10545 - 14	Min Class 3	Pass

N.B. Classed as BIIa products [Glazed Vitrified]. All products conform to BS EN 14411.

## Physical Properties - Porcelain Tiles

Test	Standard	Requirements	Typical Test Result
 Length / Width	EN ISO 10545 - 2	$\pm 0.6\% \leq \pm 2\text{mm}$	Pass
 Thickness	EN ISO 10545 - 2	$\pm 5\% \leq \pm 0.5\text{mm}$	Pass
 Straightness of Side	EN ISO 10545 - 2	$\pm 0.5\% \leq \pm 1.5\text{mm}$	Pass
 Water Absorption	EN ISO 10545 - 3	$\leq 0.5\%$	Pass
 Modulus of Rupture	EN ISO 10545 - 4	Min 35N / mm <sup>2</sup>	Pass
 Frost Resistance	EN ISO 10545 - 12	Resistant	Resistant
 Stain Resistance	EN ISO 10545 - 14	Min Class 3	Pass

N.B. Classed as BIa products [Glazed Porcelain]. All products conform to BS EN 14411.



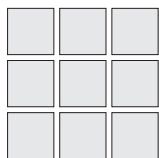
## Technical Information

### 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.

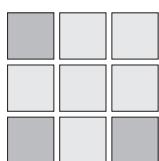
Shade, colour and pattern variation are inherent characteristics of all ceramic, vitrified and porcelain tiles. Before fixing, several cartons should be opened and their contents mixed to ensure that the shade variation and/or patterning are acceptable.

Colour Shade Variation [CSV] is split into four categories:



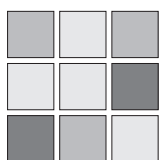
#### V1 [Low Shade Variation]

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



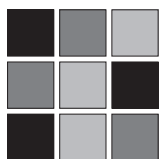
#### V2 [Low to Moderate Shade Variation]

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 slip resistance of a floor finish is the most important safety consideration. Effective and suitable slip-resistant characteristics will reduce the likelihood of slipping, particularly for older, mobility impaired and visually impaired people.

The Pendulum Test is 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]

The Pendulum 4S results contained in this booklet are based on Johnson Tiles' internal test reports along with information available at the time of print and are to be used for guidance purposes only.

Project-specific requirements should be used and checks should be made so that the requirements at the time of specification are incorporated. Further information is available from - [www.hse.gov.uk](http://www.hse.gov.uk)

### R Values

The German ramp test is used to generate the R Value ratings [DIN 51130] used commonly in North Europe. This test can only be carried out in a laboratory, so does not allow in-situ testing of materials.

This is a shod foot test which uses oil as a contaminant. These results are then interpreted into one of the following five groups:

#### 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, hangers 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.

R Value ratings have generally been used to assess product suitability in the UK. However, this is changing dramatically following recommendations from the HSE with the preferred test method being the Pendulum test.

### 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.

All glazed floor tiles within this booklet are rated with a PEI value along with a foot traffic suitability recommendation, these values and recommendations are split into the following 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.

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## Wet Ramp

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The German ramp test is used to generate the ABC ratings [DIN 51097] used commonly in North Europe. These tests can only be carried out in a laboratory, so does not allow in-situ testing of materials.

This a wet barefoot test where a soap solution is applied as a contaminant, the results from this test are placed into one of the following three categories:

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### 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.

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ABC ratings have generally been used to assess product suitability in the UK. However, this is changing dramatically following recommendations from the HSE with the preferred test method being the Pendulum test.

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## Wet Barefoot Areas

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The slip resistance of a floor finish is the most important safety consideration. Effective and suitable slip-resistant characteristics will reduce the likelihood of slipping, particularly for older, mobility impaired and visually impaired people.

The Pendulum Test is 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 Slider 55 [Pendulum TRRL] replicates wet barefoot trafficking for areas such as; wet changing rooms, swimming pool surrounds, shower areas, etc. Products are tested with a water lubricant and are then given a 'Yes' classification if they're suitable for Wet Barefoot areas.

The Pendulum TRRL results contained in this booklet are based on Johnson Tiles' internal test reports along with information available at the time of print and are to be used for guidance purposes only.

Project-specific requirements should be used and checks should be made so that the requirements at the time of specification are incorporated. Further information is available from - [www.hse.gov.uk](http://www.hse.gov.uk)

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## Light Reflectance Values

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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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## Accessibility and Support

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The Equality Act 2010 has replaced the Disability Discrimination Act and in general, carries forward the protection that the Disability Discrimination Act provided for disabled people. The Disability Discrimination Act was repealed in October 2010.

The Equality Act requires accessible environments to be provided for disabled people, either in their place of work or for access to goods, services or facilities [public spaces]. Those commissioning new buildings or adaptations to existing buildings must consider the implications of the Equality Act and their ability to provide buildings that do not discriminate against disabled people [physical or mental impairments].

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### Colour Reflectance [Contrast]

The Equality Act gives guidance on good visual contrast for the visually impaired between various elements of a building by the use of Light Reflectance Values [LRV].

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 perfect white (in reality 0 and 100 are unobtainable colours). According to NCS Colour Centre in practical terms black is approx 6 and white approx 85.

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. In a specific example of ceramic tiles this difference should be between:

#### Floors to Walls

#### Ceiling to Walls

#### Handrails to Walls

#### Sanitary Fittings to Walls

The visual contrast between floors and walls is important in enabling visually impaired people to assess and gauge the size and shape of a room. The greatest visual contrast must occur where the floor meets the wall [skirting] as this gives the most accurate visual indication of the extent of the room. Where provided, skirting's should contrast visually with the floor and be similar in colour and tone to the wall surface.

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This information is not exhaustive and the requirements at the time of specification must be checked.

BS8300:2001 Amendment 1 indicates that there is anecdotal evidence to suggest that a 20 point LRV difference may be sufficient – especially where large adjacent areas are involved.

It must be noted that the guidance on LRV values given in this booklet is correct at the time of print. This is a subject that may be reviewed by the regulatory body at any time so it is advisable to check the guidelines at the time of specification of product.

The Equality Act details given in this brochure are to be used as an outline guide only and are the details as Johnson Tiles understand them at the time of print. Further qualified advice should be sought if any of the details given above are in doubt.

## Technical Information

### Installation Advice

#### Codes of Practice

All fixing of floor and cladding tiles should be in accordance with the following codes of practice guidelines:

##### BS5385 Part 1 - 1995

[Code of practice for the design and installation of internal wall tiling and mosaics in normal conditions]

##### BS5385 Part 2 - 2006

[Code of practice for the design and installation of external ceramic wall tiling and mosaics]

##### BS5385 Part 3 - 1989

[Code of practice for the design and installation of ceramic floor tiles and mosaics]

##### BS5385 Part 4 - 1992

[Code of practice for ceramic tiling and mosaic in specific conditions]

##### BS8000 Section 1.1.1 - 1989

[Workmanship on Building Sites, Part 1.1, Code of practice for wall and floor tiling]

Floor and cladding tiles are made from quality refined raw materials and are classed as B1a [Porcelain] products, as such they require the use of polymer modified adhesives [classification C2\*] and grouts specially formulated for fixing and grouting of porcelain tiles.

\* Check with adhesive manufacturer for additional C1 product suitability.

#### Substrates

Before tiling is commenced it is important to ensure that the correct minimum curing periods have been observed for all substrates:

**Concrete** [6 Weeks]

**Screed - Non Modified** [3 Weeks]

**Rendering - Non Modified** [2 Weeks]

**Gypsum Plastering** [4 Weeks]

**Brickwork / Blockwork** [6 Weeks]

Accuracy of the substrate must be checked to ensure that the guidance given in BS5385 has been achieved i.e. "local variations in level for a nominally flat floor or wall should be such that, when checked with a 2m straightedge, any gap under the straightedge between points of contact does not exceed 3mm".

#### Movement Joints

The location, type and scope of all movement joints must be ascertained prior to any fixing works. All structural joints must be followed through to the face of the tile at full width with intermediate movement joints [minimum 6mm wide] being situated at:

#### Changes of Plane

##### Wall / Floor Junctions

##### Where Tiling Abuts Other Materials

Additionally at 3 to 4.5m maximum centres for wall tiling and 8 to 10m maximum bay centres for floor tiling [in suspended floors the bay dimensions should be reduced by providing additional joints over supporting walls and beams].

Movement joints can either be filled with a suitable backer, bond breaker and filler [e.g. epoxy polysulphide – please check with manufacturer for suitability] or be of the pre-formed variety.

#### Design / Layout

Consideration to locations of plane changes and room sizes should be undertaken to ensure the best tile size is selected to minimise cutting and improve aesthetics.

#### Adhesives

Adhesives should be in accordance with BS EN 12004, Class C2\*. Particular adhesive choice will be governed by the substrate.

\* Check with adhesive manufacturer for additional C1 product suitability.

Johnson Tiles recommend the use of Norcros Adhesives products, see below:

Substrate	Product
Concrete	Rapid Set / Rapid Set Flexible
Sand / Cement Screed	Rapid Set / Rapid Set Flexible
Wood Floors	Speed Flex Overlay with minimum 12mm WBP / marine ply and prime
Brickwork / Blockwork	One Part Flexible
Sand / Cement Render	One Part Flexible
Plasterboard	One Part Flexible Prime with Prime & Seal

#### Grouts

The choice of grout type should reflect the expected service conditions of the installation.

For general floor tiling grouts should be class CG2 i.e. Wide Joint Flexible Grout.

For floors subject to frequent wetting i.e. showers and pool halls grout should be class CG2 for hard water areas or RG1 for soft water areas i.e. Wide Joint Flexible Grout [CG2], Easy Clean Epoxy [RG1].

Where hygiene is important ie commercial kitchens and hospitals grout should be class RG1 i.e. Easy Clean Epoxy.

#### Fixing Tiles

All floor tiles should be fixed with a solid bed of adhesive, this ensures maximum durability and strength within the installation and long term adhesion performance. This is achieved with the use of a notched solid bed trowel. It is good practice to periodically remove a recently fixed tile to ensure that the correct bedding is being achieved and maintained. When fixing all tiles care must be taken to ensure that no lipping of tiles occurs.



## Cleaning and Maintenance

Maintaining the appearance and characteristics [especially slip resistance values] of floor tiles is achieved with the implementation of a suitable cleaning regime. It must be stressed that the cleaning material manufacturers instructions must be followed at all times. Regular and correctly undertaken cleaning should maintain a flooring product as close to its original state as possible. Incorrect or infrequent cleaning will adversely affect the properties of the flooring material and increase potential hazards. Generally the smoother the surface of the tile the easier it is to clean. However, it should be noted that textured products, required to give adequate slip resistance when wet, can be satisfactorily cleaned – the cleanability of a surface is more a function of the contaminant than the texture of the surface. It is therefore essential when selecting and specifying a floor finish that the use of the area and likely contaminants, safety, aesthetic and hygiene requirements are all taken into account at the specification stage.

Cleaning can be split into several categories, each of which is dependant upon installation type [i.e. wet barefoot areas, shopping malls, public toilets, etc] and frequency of usage [i.e. high, medium or low traffic]:

### Builders Clean

This should be undertaken before a floor is being brought into service. The builders clean removes any residual film leftover from the grouting operation and is a one-off cleaning process. This must be carried out as any grout residues left behind will act as a key for dirt resulting in the installation being difficult to clean.

Temporary sealers may be used to facilitate cleaning off after laying which can be removed with the use of alkaline detergents.

### Cementitious Grouts

The use of a mild acid de-cementing solution followed by thorough rinsing will remove all but the most stubborn of cement residues.

### Epoxide Grouts

It is essential that ALL residue must be removed from the surface of the tiles during the grouting process and before the resin cures. Failure to achieve this will result in a very difficult and expensive process using gel-type epoxide removers.

### Routine Cleaning

The regular use of detergents or other cleaning agents, which are excessively acidic or alkaline could cause irreversible damage to the ceramic tile surface. Degreasing agents that contain wax, sodium silicate or other additives which leave sticky deposits and thus retain dirt should be avoided. Oil residues or build-ups of wax can be removed with a proprietary wax and polish remover.

### Manual Cleaning

In normal conditions tiles require little maintenance and can be easily kept clean by sweeping and then mopping with warm water to which a neutral or nearly neutral detergent has been added. The cleaning solution should remain on the floor for 5 to 15 minutes [see manufacturers instructions] to allow it to penetrate and emulsify the dirt after which it should be removed by rinsing thoroughly with clean water. The rinsing process removes the dirt so the use of clean water is important.

### Mechanical Cleaning

For larger floor areas or areas of textured tiles the use of a rotary scrubbing machine is recommended [machines should not be used at speeds in excess of 450rpm]. The choice of brush type is very important. Union mix brushes are suitable for light washing and scrubbing, polypropylene brushes are suitable where dirt deposits are especially heavy. The cleaning solution should remain on the floor for 5 to 15 minutes [see manufacturers instructions] after which a secondary scrubbing action and clean mop or suction should be undertaken to remove the solution and dirt.

### High Pressure Cleaning

Tiles seldom require the use of high-pressure cleaning. Whilst the process will not damage the tiles care must be taken to avoid erosion of the grout. To minimise grout erosion ensure that the water beam is continually moved from side to side and not allowed to concentrate on the grouted joints. Water containing abrasives or steam cleaners should not be used on ceramic tiles.

### Wet Areas

Wet barefoot areas may attract build-ups of body fats, soaps, oil residues and organic growth. To prevent these a mildly acidic cleaning agent used regularly is preferable. If build-up has been allowed a preliminary deep clean with a proprietary cleaner is required followed by regular use of a mildly acidic cleaning agent solution.

### Periodic Deep Cleaning

Occasionally foreign matter may cause surface marks that cannot be removed with the usual cleaning processes and materials. If the surface mark cannot be removed, other materials should be considered [it is advisable to experiment on a small inconspicuous area]:

**Paint** – Paint Remover

**Organic Stains** – Bleach / one off treatment with Washing Soda

**Rust** – Masonry Cleaner

**Oil / Fat / Grease** – Detergent or Degreaser

**Mould Growth** – Household Bleach / Proprietary Cleaner

**Tea / Coffee / Ink** – Household Bleach / Proprietary Cleaner

Abrasive powders or cleaners should never be used on ceramic tiles.

## 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.

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**JOHNSON-TILES**  
Since 1901