SELECT COLLECTION
CERAMIC, VITRIFIED & PORCELAIN WALL & FLOOR TILES
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ARCTIC WHITE
GLAZED CERAMIC | WALL TILES

Three Size Formats
Available Sizes:
- 600x300mm, 10mm thick
- 400x150mm, 10mm thick
- 300x100mm, 8mm thick

Two Finishes
Available Finishes:
- G Gloss Finish
- S Satin Finish

One Colour Option
Available Colour: White

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
### Availability

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>600x300x10mm</td>
<td>- ATIC1A White Gloss Finish</td>
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<td></td>
<td>- ELMS12 White Satin Finish</td>
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<tr>
<td>400x150x10mm</td>
<td>- ATIC1A White Gloss Finish</td>
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<td>- TNS1A White Satin Finish</td>
</tr>
<tr>
<td>300x100x8mm</td>
<td>- ATIC2A White Gloss Finish</td>
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<tr>
<td></td>
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</tbody>
</table>

N.B. For the most up-to-date availability information, please visit our website - [www.johnson-tiles.com](http://www.johnson-tiles.com)
ASHLAR
GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

### Two Size Formats
**Available Sizes:**
- **600x300mm** 10mm thick
- **500x500mm** 10mm thick

### Two Finishes
**Available Finishes:**
- T Textured Finish
- M Matt Finish

### Three Colour Options
**Available Colours:**
- Warm Taupe
- Weathered White
- Crafted Grey

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

600x300x10mm
- ALR01A Warm Taupe Textured Finish
- ALR02A Weathered White Textured Finish
- ALR03A Crafted Grey Textured Finish

500x500x10mm
- ALR01F Warm Taupe Matt Finish
- ALR02F Weathered White Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
ATRIUM
GLAZED PORCELAIN | WALL & FLOOR TILES

Four Size Formats
Available Sizes:

- 900x450mm 10mm thick
- 600x600mm 8.5mm thick
- 450x450mm 8.5mm thick
- 600x300mm 8.5mm thick

Two Finishes
Available Finishes:

- N Natural Finish
- G Grip Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Four Colour Options
Available Colours:

- Clay
- Praline
- Pumice
- Graphite

= Rectified Edge
Availability

All Sizes
- ATRM1N Clay Natural Finish
- ATRM2N Praline Natural Finish
- ATRM3N Pumice Natural Finish
- ATRM4N Graphite Natural Finish

600x300x8.5mm ONLY
- ATRM1G Clay Grip Finish
- ATRM2G Praline Grip Finish
- ATRM3G Pumice Grip Finish
- ATRM4G Graphite Grip Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
BERGEN
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

200x100mm
6.5mm thick

One Finish
Available Finish:

Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Six Colour Options
Available Colours:

- White Ash
  Woodgrain Effect

- Light Cane
  Woodgrain Effect

- Driftwood
  Woodgrain Effect

- Auburn Teak
  Woodgrain Effect

- Silver Birch
  Woodgrain Effect

- Grey Ebony
  Woodgrain Effect
Availability

200x100x6.5mm
- BEG01A  White Ash Woodgrain  Matt Finish
- BEG02A  Light Cane  Woodgrain  Matt Finish
- BEG03A Driftwood Woodgrain  Matt Finish
- BEG04A  Auburn Teak  Woodgrain  Matt Finish
- BEG05A  Silver Birch  Woodgrain  Matt Finish
- BEG06A  Grey Ebony  Woodgrain  Matt Finish

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
BOUNDARY
GLAZED PORCELAIN | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

600x300mm
9mm thick

600x600mm
9mm thick + 20mm thick

Three Finishes
Available Finishes:

N Natural Finish
L Lapato Finish
N+ Natural+ Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

= Rectified Edge

Five Colour Options
Available Colours:

Earthtones
Dune
Chalk
Castlerock
Storm
Availability

600x600x9mm & 600x300x9mm
- BON01N Earthtones Natural Finish
- BON02N Dune Natural Finish
- BON03N Chalk Natural Finish
- BON04N Castlerock Natural Finish
- BON05N Storm Natural Finish

600x600x20mm ONLY
- BON01L Earthtones Lapato Finish
- BON02L Dune Lapato Finish
- BON03L Chalk Lapato Finish
- BON04L Castlerock Lapato Finish
- BON05L Storm Lapato Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
CAMBRIDGE
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

600x300mm
10mm thick

One Finish
Available Finish:

Textured Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Three Colour Options
Available Colours:

- Old Stone
- Classic White
- Natural Grey
Availability

600x300x10mm
- CAB01A Old Stone Textured Finish
- CAB02A Classic White Textured Finish
- CAB03A Natural Grey Textured Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
CHROMA
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

300x100mm
8mm thick

Two Finishes
Available Finishes:

G Gloss Finish
S Satin Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Twenty-One Colour Options
Available Colours:

▲ Arctic
▲ Saffron
▲ Sunset

▲ Poppy
▲ Coal
▲ Tarragon

▲ Ocean
▲ Dolphin
▲ Alloy

▲ Sand
▲ Fawn
▲ Almond

▲ Coffee
▲ Snow
▲ Nightsky

▲ Steel
▲ Pewter
▲ Putty

▲ Seed
▲ Acorn
▲ Mink

16 | SELECT COLLECTION
Availability

300x100x8mm
- ATIC2A Arctic Gloss Finish
- CHG01A Saffron Gloss Finish
- CHG03A Sunset Gloss Finish
- CHG04A Poppys Gloss Finish
- CHG06A Coal Gloss Finish
- CHG07A Tarragon Gloss Finish
- CHG08A Ocean Gloss Finish
- CHG09A Dolphin Gloss Finish
- CHG10A Alloy Gloss Finish
- CHG11A Sand Gloss Finish
- CHG20A Fawn Gloss Finish
- CHG21A Almond Gloss Finish
- CHG22A Coffee Gloss Finish
- CHS12A Snow Satin Finish
- CHS13A Nightsky Satin Finish
- CHS14A Steel Satin Finish
- CHS15A Pewter Satin Finish
- CHS16A Putty Satin Finish
- CHS17A Seed Satin Finish
- CHS18A Acorn Satin Finish
- CHS19A Mink Satin Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
CLASSICS
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

600x300mm
10mm thick

Two Finishes
Available Finishes:

G Gloss Finish
S Satin Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Three Colour Options
Available Colours:

▲ Carrara
▲ Travertine
▲ Crema Marfil
Availability

600x300x10mm
- CICS1A Carrara Gloss Finish  - CICS2A Travertine Satin Finish  - CICS3A Crema Marfil Satin Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
Two Size Formats
Available Sizes:
- 850x280mm, 10mm thick
- 450x450mm, 9mm thick

One Finish
Available Finish:
- Matt Finish

Five Colour Options
Available Colours:
- Smoke
- Oyster
- Putty
- Grey Mix, Structured Effect
- Beige Mix, Structured Effect

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

850x280x10mm ONLY
- CONC1A Smoke Matt Finish
- CONC2A Oyster Matt Finish
- CONC3A Putty Matt Finish

450x450x9mm ONLY
- CONC1D Grey Mix Structured Matt Finish
- CONC2D Beige Mix Structured Matt Finish
- CONC1F Smoke Matt Finish
- CONC2F Oyster Matt Finish
- CONC3F Putty Matt Finish

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

DEVONSHIRE
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:
330x330mm
8.5mm thick

One Finish
Available Finish:
M Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Four Colour Options
Available Colours:
▲ Black
▲ Grey
▲ Sage
▲ Blue
Availability

330x330x8.5mm
- DEV01N Black Matt Finish
- DEV02N Grey Matt Finish
- DEV03N Sage Matt Finish
- DEV04N Blue Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
DUO
GLAZED PORCELAIN | WALL TILES

One Size Format
Available Size:

608x316mm  9mm thick

One Finish
Available Finish:

G Gloss Textured Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

One Colour Option
Available Colours:

Jet

AVAILABLE WHILE STOCKS LAST
ALL COLOURS & SIZE FORMATS
Availability

Size: 608x316x9mm
- DUO02A Jet Gloss Textured Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
EMINENCE
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

600x300mm
9.5mm thick

Two Finishes
Available Finishes:
G Gloss Finish
M Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

= Rectified Edge

One Colour Option
Available Colour:

White

Weave Effect

AVAILABLE WHILE STOCKS LAST
ALL COLOURS & SIZE FORMATS
Availability

600x300x9.5mm
- EMI01A White Gloss Finish
- EMI12A White Matt Finish
- EMI12W White Weave Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
FITZROVIA
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:
600x300mm
10mm thick

One Finish
Available Finish:
G Gloss Finish

Two Colour Options
Available Colours:
Pearl
Silver

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

600x300x10mm
- FITZ1A Pearl Gloss Finish
- FITZ2A Silver Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
FORM
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:
400x150mm Bevel
10mm thick

One Finish
Available Finish:
G Gloss Finish

Eight Colour Options
Available Colours:
- Winter
- Whisper
- Dove
- Graphite
- Sahara
- Thyme
- Azure
- Charcoal

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

400x150x10mm Bevel
- FORM1A  Winter  Gloss Finish
- FORM2A  Whisper  Gloss Finish
- FORM3A  Dove  Gloss Finish
- FORM4A  Graphite  Gloss Finish
- FORM5A  Sahara  Gloss Finish
- FORM6A  Thyme  Gloss Finish
- FORM7A  Azure  Gloss Finish
- FORM8A  Charcoal  Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
GLIDE
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

Two Finishes
Available Finishes:

Matt Finish
Polished Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Rectified Edge

600x600mm
9.4mm thick

One Colour Option
Available Colour:

White Carrara
Availability

600x600x94mm
- GLD01N White Carrara Matt Finish
- GLD01P White Carrara Polished Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
HARBOUR
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

400x150mm
10mm thick

One Finish
Available Finish:
M Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Three Colour Options
Available Colours:

▲ Seaspray
Structured Effect

▲ Quay Grey
Structured Effect

▲ Breakwater
Structured Effect
Availability

400x150x10mm

- HAR81T Seaspray Structured Matt Finish
- HARB2T Quay Grey Structured Matt Finish
- HARB3T Breakwater Structured Matt Finish

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
HUDSON
GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

- 600x300mm
  - 10mm thick
- 600x600mm
  - 10.5mm thick

Two Finishes
Available Finishes:

- N Natural Finish
- M Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Four Colour Options
Available Colours:

- ▲ Albany White
  - Rockfall Effect
- ▲ New Jersey
  - Rockfall Effect
- ▲ Manhattan
  - Rockfall Effect
- ▲ New Jersey
  - Sandbar Effect
- ▲ Albany White
  - Sandbar Effect
- ▲ Manhattan
  - Sandbar Effect
- ▲ Manhattan
  - Rockfall Effect
- ▲ Brooklyn
Availability

600x600x10.5mm ONLY
- HUDS1N Albany White Natural Finish
- HUDS2N New Jersey Natural Finish
- HUDS3N Manhattan Natural Finish
- HUDS4N Brooklyn Natural Finish

600x300x10mm ONLY
- HUDS1R Albany White Rockfall Matt Finish
- HUDS2R New Jersey Rockfall Matt Finish
- HUDS3R Manhattan Rockfall Matt Finish

- HUDS1S Albany White Sandbar Matt Finish
- HUDS2S New Jersey Sandbar Matt Finish
- HUDS3S Manhattan Sandbar Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
JEWELSTONE
GLASS & NATURAL STONE | WALL TILES

One Size Format
Available Size:
Sheet Size: 300x300mm
Tessera Size: 14x14mm
8mm thick

Two Finishes
Available Finishes:
G Gloss Finish
M Gloss & Matt Finish

Eight Colour Options
Available Colours:

▲ Pearl  ▲ Amethyst  ▲ Gold
▲ Opal  ▲ Quartz  ▲ Topaz
▲ Ruby  ▲ Onyx

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

300x300x8mm [14x14mm]  
- JEST01 Pearl Gloss & Matt Finish  
- JEST02 Amethyst Gloss & Matt Finish  
- JEST04 Gold Gloss & Matt Finish  
- JEST05 Opal Gloss & Matt Finish  
- JEST06 Quartz Gloss Finish  
- JEST08 Topaz Gloss Finish  
- JEST09 Ruby Gloss Finish  
- JEST10 Onyx Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
KENSINGTON
GLAZED CERAMIC | WALL TILES

Four Size Formats
Available Sizes:

- 500x500mm 10mm thick
- 250x250mm 10mm thick
- 300x75mm 10mm thick
- 150x75mm 10mm thick

One Finish
Available Finish:

- Gloss Finish

Thirteen Colour Options
Available Colours:

- Chalk
- Sky
- Cotton
- Coal
- Cream
- Snow
- Nut
- Smoke
- Nude
- Sage
- Cloud
- Duck Egg

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

500x50x10mm & 250x50x10mm ONLY
- KEN09A Snow Gloss Finish
- KEN10A Cloud Gloss Finish
- KEN11A Nude Gloss Finish
- KEN12A Sage Gloss Finish
- KEN13A Duck Egg Gloss Finish

300x75x10mm & 150x75x10mm ONLY
- KEN01A Chalk Gloss Finish
- KEN02A Cotton Gloss Finish
- KEN03A Cream Gloss Finish
- KEN04A Storm Gloss Finish
- KEN05A Smoke Gloss Finish
- KEN06A Nut Gloss Finish
- KEN07A Sky Gloss Finish
- KEN08A Coal Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
**KIELDER**
GLAZED PORCELAIN | WALL & FLOOR TILES

### One Size Format
Available Size:
- 1140x200mm
- 10mm thick

### One Finish
Available Finish:
- Natural Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

### Four Colour Options
Available Colours:
- Autumn Dawn
- Evening Glow
- Frosty Oak
- Midnight Forest
Availability

- KIEL1N Autumn Dawn Woodgrain Natural Finish
- KIEL2N Evening Glow Woodgrain Natural Finish
- KIEL3N Frosty Oak Woodgrain Natural Finish
- KIEL4N Midnight Forest Woodgrain Natural Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
LATITUDE
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

600x300mm
10mm thick

One Finish
Available Finish:

S Satin Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Three Colour Options
Available Colours:

- ▲ Chalk
  Linear Effect
- ▲ Smoke
  Linear Effect
- ▲ Carbon
  Linear Effect
Availability

600x300x10mm
- LATI1A Chalk Linear Satin Finish
- LATI2A Smoke Linear Satin Finish
- LATI3A Carbon Linear Satin Finish

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
LUSTRE
GLAZED CERAMIC & VITRIFIED | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

- 500x200mm
  10mm thick
- 450x450mm
  9.4mm thick

One Finish
Available Finish:
- Gloss Finish

Three Colour Options
Available Colours:

- Silver
- Cream
- Grey

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
SELECT COLLECTION

LUSTRE SILVER AND GREY

Availability

500x200x10mm ONLY
- LST1A Silver Gloss Finish
- LST2A Cream Gloss Finish
- LST3A Grey Gloss Finish

450x450x9.4mm ONLY
- LST1F Silver Gloss Finish
- LST2F Cream Gloss Finish
- LST3F Grey Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
MODERN
UN-GLAZED PORCELAIN | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

- 600x600mm
  - 10mm thick [N]
  - 9.5mm thick [P]

- 600x300mm
  - 10mm thick [N]
  - 9.5mm thick [P]

Available Mosaic:
Sheet Size: 600x300mm
Tessera Size: Mixed Strips

Two Finishes
Available Finishes:

- N Natural Finish
- P Polished Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Seven Colour Options
Available Colours:

- ▲ Basalt
- ▲ Flax
- ▲ Oyster
- ▲ Ivory
- ▲ Moonstone
- ▲ Slate
- ▲ Graphite
MODERN FLAX AND BEIGE MIX MOSAIC

Availability

600x600x10mm & 600x300x10mm ONLY
- MON01N Basalt Natural Finish
- MON02N Flax Natural Finish
- MON03N Oyster Natural Finish
- MON04N Ivory Natural Finish
- MON05N Moonstone Natural Finish **
- MON06N Slate Natural Finish **
- MON07N Graphite Natural Finish *

All Sizes
- MON01P Basalt Polished Finish
- MON02P Flax Polished Finish
- MON03P Oyster Polished Finish
- MON04P Ivory Polished Finish
- MON05P Moonstone Polished Finish
- MON06P Slate Polished Finish **
- MON07P Graphite Polished Finish

600x300x10mm [Mixed Strip Mosaic]
- MON1MM Beige Mix Mixed Finish
- MON2MM Grey Mix Mixed Finish

* Not available in 600x300mm
** Not available in 600x600mm

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
MONOCHROME
GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

- **200x100mm**
  - 6.5mm thick

- **150x150mm**
  - 8mm thick

Two Finishes
Available Finishes:
- G Gloss Finish
- N Natural Finish

Five Colour Options
Available Colours:

- ▲ White
- ▲ Grey
- ▲ Black
- ▲ Monochrome Border
- ▲ Monochrome Décor

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

150x150x8mm ONLY
- MNCR1N White Natural Finish
- MNCR2N Grey Natural Finish
- MNCR3N Black Natural Finish
- MNCR1D Monochrome Décor Natural Finish

200x100x6.5mm ONLY
- MNCR1A Monochrome Border Gloss Finish

Note: Prismatics White, Shark and Black in both Gloss and Satin finishes work perfectly with all products in the Monochrome range.

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
NATURAL MOSAICS
NATURAL STONE | WALL TILES

Four Size Formats
Available Sizes:

Sheet Size: 305x305mm
Tessera Size: 50x17mm
10mm thick

Sheet Size: 305x305mm
Tessera Size: 50x25mm Brick
10mm thick

Sheet Size: 305x305mm
Tessera Size: 50x50mm
10mm thick

Sheet Size: 305x305mm
Tessera Size: 100x50mm Brick
10mm thick

Two Finishes
Available Finishes:

N Natural Finish
P Polished Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Four Colour Options
Available Colours:

▲ Travertine
▲ Brown & Beige
▲ Silver Travertine
▲ Light & Dark

▲ Silver Travertine
Availability

305x305x10mm [50x17mm]
- SMCT1A Travertine Polished Finish
- SMBB1A Brown & Beige Polished Finish

305x305x10mm [50x25mm Brick]
- SMPB1A Light & Dark Polished Finish

305x305x10mm [100x50mm Brick]
- SMST2A Silver Travertine Natural Finish

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

**GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES**

### Two Size Formats

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
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</thead>
<tbody>
<tr>
<td>600x600mm</td>
<td>10mm thick</td>
</tr>
<tr>
<td>600x300mm</td>
<td>10mm thick</td>
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</tbody>
</table>

### Available Mosaics:

- **Sheet Size:** 300x300mm
- **Tessera Size:** 50x50mm

### Nine Colour Options

- Ecru Stone
- Pebble Stone
- Mink Stone
- Zinc Stone
- Charcoal Stone
- Dove Marble
- Otter Marble
- Nougat Marble
- Mocha Marble

### Two Finishes

- **Matt Finish** (M)
- **Gloss Finish** (G)

*N.B.* For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

600x300x10mm ONLY
- NTS01A Ecru Stone Matt Finish
- NTS02A Pebble Stone Matt Finish
- NTS03A Mink Stone Matt Finish
- NTS04A Zinc Stone Matt Finish
- NTS05A Charcoal Stone Matt Finish
- NTM01A Dove Marble Gloss Finish
- NTM02A Otter Marble Gloss Finish
- NTM03A Nougat Marble Gloss Finish
- NTM04A Mocha Marble Gloss Finish

600x600x10mm ONLY
- NT501F Ecru Stone Matt Finish
- NT502F Pebble Stone Matt Finish
- NT503F Mink Stone Matt Finish
- NT504F Zinc Stone Matt Finish
- NT505F Charcoal Stone Matt Finish
- NTM01F Dove Marble Gloss Finish
- NTM02F Otter Marble Gloss Finish
- NTM03F Nougat Marble Gloss Finish
- NTM04F Mocha Marble Gloss Finish

300x300x10mm [50x50mm Mosaic]
- NTM2MM Neutrals Mixed Finish
- NTM3MM Naturals Mixed Finish

300x300x10mm [Mixed Strips Mosaic]
- NTM2MS Neutrals Mixed Finish
- NTM3MS Naturals Mixed Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
ONE
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

150x150mm
8mm thick

One Finish
Available Finish:
Natural Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

One Colour Option
Available Colour:

- Black & White
Availability

150x150x8mm
- ONE01N Black & White Natural Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
OPAL WHITE
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:
152x152mm
5.5mm thick

One Finish
Available Finish:
G Gloss Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

One Colour Option
Available Colour:
▲ White
Availability

152x152x5.5mm
- NOPAL White Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
PARADE
UN-GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

600x600mm
10mm thick

One Finish
Available Finish:

Polished Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Two Colour Options
Available Colours:

White

Black
Availability

600x600x10mm
- PAR01P White Polished Finish  - PAR02P Black Polished Finish

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

**GLAZED CERAMIC | WALL TILES**

### Five Size Formats

**Available Sizes:**
- 200x200mm
- 200x100mm
- 150x150mm
- 173x150mm Hexagon
- 100x100mm

**Available Fittings:**
- 200x100mm Cove
- 200x100mm Cove HRE
- 200x100mm Cove REH
- 200x100mm REL
- 200x100mm RES
- 200x100mm HREX
- 200x100mm REXH
- 200x25mm Bead Int.
- 200x25mm Bead Ext.

### Two Finishes

**Available Finishes:**
- Gloss Finish
- Satin Finish

### Sixty Colour Options

**Available Colours:**
- White
- Black
- Hawk Grey
- Cappuccino
- Woodpigeon
- Shark
- Teal
- Tomato
- Rice
- Storm Grey
- Thistle
- Duck Egg
- Harebell
- Bluebell
- Peach Sorbet

---

**N.B.** For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.
Availability

200x200x6.5mm, 200x100x6.5mm, 150x150x6.5mm & 100x100x6.5mm ONLY

- PRG1 White Gloss Finish
- PRG6 Black Gloss Finish
- PRG7 Hawk Grey Gloss Finish
- PRG8 Cappuccino Gloss Finish
- PRG9 Woodpigeon Gloss Finish
- PRG11 Shark Gloss Finish
- PRG16 Teal Gloss Finish
- PRG19 Tomato Gloss Finish
- PRG23 Rice Gloss Finish
- PRG24 Storm Grey Gloss Finish
- PRG25 Thistle Gloss Finish
- PRG28 Duck Egg Gloss Finish
- PRG32 Harebell Gloss Finish
- PRG33 Bluebell Gloss Finish
- PRG36 Peach Sorbet Gloss Finish
- PRG40 Pistachio Gloss Finish
- PRG43 Peppermint Gloss Finish
- PRG44 Ocean Blue Gloss Finish
- PRG45 Mintwater Gloss Finish
- PRG48 Goldcrest Gloss Finish
- PRG50 Sunhaze Gloss Finish
- PRG51 Mimosa Gloss Finish
- PRG53 Lemon Ice Gloss Finish

173x150x6.5mm Hexagon ONLY

- PRG1 White Gloss Finish
- PRG6 Black Gloss Finish
- PRG7 Hawk Grey Gloss Finish
- PRG8 Cappuccino Gloss Finish
- PRG9 Woodpigeon Gloss Finish
- PRG11 Shark Gloss Finish
- PRG16 Teal Gloss Finish
- PRG24 Storm Grey Gloss Finish
- PRG28 Duck Egg Gloss Finish

All Fittings

- PRG1 White Gloss Finish
- PRG6 Black Gloss Finish
- PRG7 Hawk Grey Gloss Finish
- PRG8 Cappuccino Gloss Finish
- PRG9 Woodpigeon Gloss Finish
- PRG11 Shark Gloss Finish
- PRG16 Teal Gloss Finish
- PRG24 Storm Grey Gloss Finish
- PRG28 Duck Egg Gloss Finish

- PRG55 Pumpkin Gloss Finish
- PRG101 Ash Gloss Finish
- PRG102 Chartreuse Gloss Finish
- PRG103 Old Lace Gloss Finish
- PRG104 Suede Gloss Finish
- PRG105 Lagoon Gloss Finish
- PRG106 Magenta Gloss Finish
- PRG107 Shadow Gloss Finish
- PRG108 Mushroom Gloss Finish
- PRG109 Sandcastle Gloss Finish
- PRG110 Jungle Gloss Finish
- PRG112 Midnight Gloss Finish
- PRG113 Blackberry Gloss Finish
- PRG114 Elephant Gloss Finish
- PRG115 Coffee Gloss Finish
- PRG116 Ginger Gloss Finish
- PRG117 Olive Gloss Finish
- PRG119 Flame Gloss Finish
- PRG120 Strawberry Gloss Finish
- PRG121 Sunflower Gloss Finish
- PRV2 Victorian Cream Gloss Finish
- PRV3 Victorian Blue Gloss Finish
- PRV4 Victorian Maroon Gloss Finish
- PRV5 Victorian Green Gloss Finish
- PRS12 White Satin Finish
- PRS13 Black Satin Finish
- PRS14 Magnolia Satin Finish
- PRS15 Shark Satin Finish
- PRS16 Teal Satin Finish
- PRS17 Granite Satin Finish
- PRS18 Harebell Satin Finish
- PRS73 Willow Satin Finish
- PRS76 Vanilla Satin Finish
- PRS77 Teal Satin Finish
- PRS81 Lapis Satin Finish
- PRS82 Sweet Pea Satin Finish
- PRS83 Cyan Satin Finish
- PRS84 Olive Satin Finish
- PRS85 Peacock Satin Finish
- PRS86 Peppermint Satin Finish
- PRS87 Midnight Satin Finish
- PRS88 Navy Satin Finish
- PRS89 Old Lace Satin Finish
- PRS90 Cappuccino Satin Finish
- PRS91 Russet Satin Finish
- PRS92 Suede Satin Finish
- PRS93 Old Lace Satin Finish
- PRS94 Old Lace Satin Finish
- PRS95 Pumpkin Satin Finish
- PRS96 Goldcrest Satin Finish
- PRS97 Yellow Satin Finish
- PRS98 Old Lace Satin Finish
- PRS99 Ochre Satin Finish
- PRS100 Honey Satin Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
RIVERSTONE
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

600x300mm
8.5mm thick

One Finish
Available Finish:

Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Four Colour Options
Available Colours:

- White
  Slate Effect

- Beige
  Slate Effect

- Light Grey
  Slate Effect

- Black
  Slate Effect
Availability

600x300x8.5mm
- RVN01S White Structured Matt Finish
- RVN02S Beige Structured Matt Finish
- RVN03S Light Grey Structured Matt Finish
- RVN04S Black Structured Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
SAVOY WALL
GLAZED CERAMIC | WALL TILES

Two Size Formats
Available Sizes:

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<th>Size</th>
<th>Thickness</th>
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<tbody>
<tr>
<td>300x100mm</td>
<td>6.5mm</td>
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<td>8mm</td>
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Available Fittings:

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<td>200x35mm Chair Rail C</td>
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<tr>
<td>200x150mm Atlas Skirting</td>
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<td>300x14mm Finishing Strip</td>
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<tr>
<td>200x12mm Finishing Strip</td>
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</tbody>
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One Finish
Available Finish:

Gloss Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Fifteen Colour Options
Available Colours:

- Luna
- Oat
- Grain
- Caraway
- Dew
- Decorative Effect

- Steel
- Noir
- Leaf
- Sage
- Bone
- Decorative Effect

- Pebble
- Slate
- Petrol
- Ink
- Marine
- Decorative Effect
Availability

All Sizes & Fittings
- SAV01A Luna Gloss Finish
- SAV02A Oat Gloss Finish
- SAV03A Grain Gloss Finish
- SAV04A Caraway Gloss Finish
- SAV05A Dew Gloss Finish
- SAV06A Steel Gloss Finish
- SAV07A Noir Gloss Finish
- SAV08A Leaf Gloss Finish
- SAV09A Sage Gloss Finish
- SAV10A Bone Gloss Finish
- SAV11A Pebble Gloss Finish
- SAV12A Slate Gloss Finish
- SAV13A Petrol Gloss Finish
- SAV14A Ink Gloss Finish
- SAV15A Marine Gloss Finish

300x100x8mm ONLY
- SAV01D Luna Decorative Gloss Finish
- SAV02D Oat Decorative Gloss Finish
- SAV03D Grain Decorative Gloss Finish
- SAV04D Caraway Decorative Gloss Finish
- SAV05D Dew Decorative Gloss Finish
- SAV06D Steel Decorative Gloss Finish
- SAV07D Noir Decorative Gloss Finish
- SAV08D Leaf Decorative Gloss Finish
- SAV09D Sage Decorative Gloss Finish
- SAV10D Bone Decorative Gloss Finish
- SAV11D Pebble Decorative Gloss Finish
- SAV12D Slate Decorative Gloss Finish
- SAV13D Petrol Decorative Gloss Finish
- SAV14D Ink Decorative Gloss Finish
- SAV15D Marine Decorative Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
SAVOY FLOOR
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

200x200mm
8.5mm thick

One Finish
Available Finish:

Natural Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Five Colour Options
Available Colours:

Concrete
Concrete Décor
Grey Square
Beige Square
Blue Square

Beige Mix (Design A)
Beige Mix (Design B)
Beige Mix (Design C)
Beige Mix (Design D)

Blue Mix (Design A)
Blue Mix (Design B)
Blue Mix (Design C)
Blue Mix (Design D)

N.B. Each carton of Beige Mix and Blue Mix contains a random selection of all four available design options.
Availability

200x200x8.5mm
- SAVF1N Concrete Natural Finish
- SAVF1D Concrete Décor Natural Finish
- SAVF2M Beige Mix Natural Finish
- SAVF3M Blue Mix Natural Finish
- SAVF1S Grey Square Natural Finish
- SAVF2S Beige Square Natural Finish
- SAVF3S Blue Square Natural Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
SIENA
GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

Two Size Formats
Available Sizes:

- 600x600mm
  - 9.5mm thick
- 600x300mm
  - 10mm thick

One Finish
Available Finish:

- Gloss Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Two Colour Options
Available Colours:

- Beige
- Grey

- Beige Wave Effect
- Grey Wave Effect
Availability

600x600x9.5mm ONLY
- SINA1F Beige  Gloss Finish
- SINA2F Grey  Gloss Finish

600x300x10mm ONLY
- SINA1A Beige  Gloss Finish
- SINA2A Grey  Gloss Finish
- SINA1S Beige  Wave  Gloss Finish
- SINA2S Grey  Wave  Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
STONWORK
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:

200x100mm
6.5mm thick

One Finish
Available Finish:

Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Six Colour Options
Available Colours:

- Autumn Brown
- Light Tan
- Cool Mist
- Hessian
- Limewash
- Dusk
Availability

200x100x6.5mm
- STW01A Autumn Brown Matt Finish
- STW02A Hessian Matt Finish
- STW03A Light Tan Matt Finish
- STW04A Limewash Matt Finish
- STW05A Cool Mist Matt Finish
- STW06A Dusk Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
STREET
GLAZED PORCELAIN | WALL & FLOOR TILES

Three Size Formats
Available Sizes:
- 600x600mm 9mm thick
- 450x450mm
- 850x300mm 10mm thick

One Finish
Available Finish:
- Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Three Colour Options
Available Colours:
- Vapour
- Pewter
- Iron

AVAILABLE WHILE STOCKS LAST
ALL COLOURS & SIZE FORMATS
Availability

All Sizes
- STRT1N Vapour Matt Finish
- STRT2N Pewter Matt Finish
- STRT3N Iron Matt Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
SUBSTANCE
GLAZED CERAMIC | WALL TILES

**One Size Format**
Available Size:

![900x300mm 16.5mm thick]

**Two Finishes**
Available Finishes:

- **G** Gloss Finish
- **M** Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

= Rectified Edge

**Three Colour Options**
Available Colours:

- **Mist**
- **Coal**
- **White**

- Wave Effect
- Rockface Effect
- Linear Effect
- Form Effect
**Availability**

900x300x10.5mm

- SBST1R White Rockface Matt Finish
- SBST1L White Linear Matt Finish
- SBST1F White Form Matt Finish
- SBST2A Mist Gloss Finish
- SBST4A Coal Gloss Finish
- SBST2W Mist Wave Gloss Finish
- SBST4W Coal Wave Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
TERES MOSAICS
GLASS | WALL TILES

One Size Format
Available Size:

Sheet Size: 300x300mm
Tessera Size: 23x23mm
4mm thick

One Finish
Available Finish:

G Gloss Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Ten Colour Options
Available Colours:

- Polar
- Carbon
- Pillar Box
- Azure
- Fawn
- Plum
- Straw
- Chestnut
- Spearmint
- Marine
Availability

300x300x4mm [22x22mm]

- TERE02 Polar Gloss Finish
- TERE07 Carbon Gloss Finish
- TERE15 Pillar Box Gloss Finish
- TERE19 Azure Gloss Finish
- TERE39 Fawn Gloss Finish
- TERH24 Plum Gloss Finish
- TERV15 Straw Gloss Finish
- TERH39 Chestnut Gloss Finish
- TERV70 Spearmint Gloss Finish
- TERV73 Marine Gloss Finish

N.B. For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
TERRAZZO
GLAZED PORCELAIN | WALL & FLOOR TILES

One Size Format
Available Size:

600x600mm
9.5mm thick

One Finish
Available Finish:

Textured Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Two Colour Options
Available Colours:

Light Stone

Dark Stone
Availability

600x600x9.5mm
- TRZ01T Light Stone Textured Finish
- TRZ02T Dark Stone Textured Finish

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
TONES
GLAZED CERAMIC | WALL TILES

One Size Format
Available Size:
400x150mm
10mm thick

One Finish
Available Finish:
Matt Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

Eight Colour Options
Available Colours:

- White
- Cream
- Latte
- Mocha
- Steam
- Smoke
- Charcoal
- Forest

- Wave Effect
- Nano Effect
- Polygon Effect
- Linear Effect
Availability

400x150x10mm
- TNS1A White Matt Finish
- TNS2A Cream Matt Finish
- TNS3A Latte Matt Finish
- TNS4A Mocha Matt Finish
- TNS6A Smoke Matt Finish
- TNS7A Charcoal Matt Finish
- TNS0F Forest Matt Finish
- TNS1W White Wave Matt Finish
- TNS2W Cream Wave Matt Finish
- TNS3W Latte Wave Matt Finish
- TNS4W Mocha Wave Matt Finish
- TNS6W Smoke Wave Matt Finish
- TNS7W Charcoal Wave Matt Finish
- TNS1N White Nano Matt Finish
- TNS1P White Polygon Matt Finish
- TNS7N Charcoal Nano Matt Finish
- TNS7P Charcoal Polygon Matt Finish
- TNS2L Cream Mix Linear Matt Finish
- TNS4L Mocha Mix Linear Matt Finish
- TNS5L Steam Mix Linear Matt Finish
- TNS6L Smoke Mix Linear Matt Finish

N.B For the most up-to-date availability information, please visit our website - www.johnson-tiles.com
VIVID
GLAZED CERAMIC | WALL TILES

**One Size Format**
Available Size:

400x150mm
10mm thick

---

**One Finish**
Available Finish:

G Gloss Finish

N.B. For full details on specification and suitability please see page 88. For advice on technical issues please contact our technical helpline.

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**Ten Colour Options**
Available Colours:

- White
- Clay
- Orange
- Red
- Purple
- Blue
- Lime
- Teal
- Dark Grey
- Black
VIVID WHITE, RED, ORANGE AND LIME

Availability

400x150x10mm
- VVD1A White Gloss Finish
- VVD2A Clay Gloss Finish
- VVD3A Orange Gloss Finish
- VVD4A Red Gloss Finish
- VVD5A Purple Gloss Finish
- VVD6A Blue Gloss Finish
- VVD7A Lime Gloss Finish
- VVD8A Teal Gloss Finish
- VVD9A Dark Grey Gloss Finish
- VVD10A Black Gloss Finish

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

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

### Specification

<table>
<thead>
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<th>Floor Usage</th>
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* Only products in the Dark Stone colourway are suitable for external floor applications. |
| Tones                  | 400x150x10mm          | Internal   |             | V1  | Glazed Ceramic [BIII]     |
| Vivid                  | 400x150x10mm          | Internal   |             | V1  | Glazed Ceramic [BIII]     |

### Floor Values

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### Technical Information

#### Floor Values

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**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

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</thead>
<tbody>
<tr>
<td>Bone</td>
<td>2005-Y20R</td>
<td>55</td>
</tr>
<tr>
<td>Caraway</td>
<td>4010-Y90R</td>
<td>29</td>
</tr>
<tr>
<td>Dew</td>
<td>2500-N</td>
<td>50</td>
</tr>
<tr>
<td>Grain</td>
<td>3005-Y50R</td>
<td>42</td>
</tr>
<tr>
<td>Ink</td>
<td>4030-R80B</td>
<td>20</td>
</tr>
<tr>
<td>Leaf</td>
<td>3010-B90G</td>
<td>42</td>
</tr>
<tr>
<td>Luna</td>
<td>1002-B</td>
<td>73</td>
</tr>
<tr>
<td>Marine</td>
<td>3020-B30G</td>
<td>35</td>
</tr>
</tbody>
</table>

Tones

<table>
<thead>
<tr>
<th>Colour</th>
<th>NCS</th>
<th>LRV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charcoal</td>
<td>8502-B</td>
<td>6</td>
</tr>
<tr>
<td>Cream</td>
<td>1005-Y30R</td>
<td>70</td>
</tr>
<tr>
<td>Latte</td>
<td>3005-Y50R</td>
<td>40</td>
</tr>
<tr>
<td>Mocha</td>
<td>6005-Y20R</td>
<td>18</td>
</tr>
<tr>
<td>Smoke</td>
<td>5005-R20B</td>
<td>24</td>
</tr>
<tr>
<td>Steam</td>
<td>2502-R</td>
<td>50</td>
</tr>
<tr>
<td>White</td>
<td>1005-Y50R</td>
<td>73</td>
</tr>
</tbody>
</table>

Tender

<table>
<thead>
<tr>
<th>Colour</th>
<th>NCS</th>
<th>LRV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>8502-B</td>
<td>6</td>
</tr>
<tr>
<td>Blue</td>
<td>4055-R70B</td>
<td>8</td>
</tr>
<tr>
<td>Clay</td>
<td>5005-Y80R</td>
<td>42</td>
</tr>
<tr>
<td>Dark Grey</td>
<td>6550-B</td>
<td>15</td>
</tr>
<tr>
<td>Lime</td>
<td>2060-G80Y</td>
<td>40</td>
</tr>
<tr>
<td>Orange</td>
<td>2070-Y40R</td>
<td>26</td>
</tr>
<tr>
<td>Purple</td>
<td>5020-R80B</td>
<td>17</td>
</tr>
<tr>
<td>Red</td>
<td>1080-Y90R</td>
<td>16</td>
</tr>
<tr>
<td>Teal</td>
<td>5020-B50G</td>
<td>19</td>
</tr>
<tr>
<td>White</td>
<td>5000-N</td>
<td>86</td>
</tr>
</tbody>
</table>

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 %]
### Physical Properties - Ceramic Tiles

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard</th>
<th>Requirements</th>
<th>Typical Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length / Width</td>
<td>EN ISO 10545 - 2</td>
<td>±0.5% ≤ ±2mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Thickness</td>
<td>EN ISO 10545 - 2</td>
<td>±10% ≤ ±0.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Straightness of Side</td>
<td>EN ISO 10545 - 2</td>
<td>±0.3% ≤ ±1.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>EN ISO 10545 - 3</td>
<td>10% to 20%</td>
<td>Pass</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>EN ISO 10545 - 4</td>
<td>Min 15N / mm²</td>
<td>Pass</td>
</tr>
<tr>
<td>Frost Resistance</td>
<td>EN ISO 10545 - 12</td>
<td></td>
<td>Not suitable for installations where temperatures may fall below freezing.</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>EN ISO 10545 - 14</td>
<td>Min Class 3</td>
<td>Pass</td>
</tr>
</tbody>
</table>

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

### Physical Properties - Vitrified Tiles

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard</th>
<th>Requirements</th>
<th>Typical Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length / Width</td>
<td>EN ISO 10545 - 2</td>
<td>±0.6% ≤ ±2mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Thickness</td>
<td>EN ISO 10545 - 2</td>
<td>±5% ≤ ±0.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Straightness of Side</td>
<td>EN ISO 10545 - 2</td>
<td>±0.5% ≤ ±1.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>EN ISO 10545 - 3</td>
<td>3% to 6%</td>
<td>Pass</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>EN ISO 10545 - 4</td>
<td>Min 22N / mm²</td>
<td>Pass</td>
</tr>
<tr>
<td>Frost Resistance</td>
<td>EN ISO 10545 - 12</td>
<td></td>
<td>Not suitable for installations where temperatures may fall below freezing.</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>EN ISO 10545 - 14</td>
<td>Min Class 3</td>
<td>Pass</td>
</tr>
</tbody>
</table>

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

### Physical Properties - Porcelain Tiles

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard</th>
<th>Requirements</th>
<th>Typical Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length / Width</td>
<td>EN ISO 10545 - 2</td>
<td>±0.6% ≤ ±2mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Thickness</td>
<td>EN ISO 10545 - 2</td>
<td>±5% ≤ ±0.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Straightness of Side</td>
<td>EN ISO 10545 - 2</td>
<td>±0.5% ≤ ±1.5mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>EN ISO 10545 - 3</td>
<td>≤ 0.5%</td>
<td>Pass</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>EN ISO 10545 - 4</td>
<td>Min 35N / mm²</td>
<td>Pass</td>
</tr>
<tr>
<td>Frost Resistance</td>
<td>EN ISO 10545 - 12</td>
<td>Resistant</td>
<td>Resistant</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>EN ISO 10545 - 14</td>
<td>Min Class 3</td>
<td>Pass</td>
</tr>
</tbody>
</table>

N.B. Classed as BIIa 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

## 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 cafes, garages and basements etc.

- **R11 [19° to 27°]**
  - Food production facilities; mid sized kitchens in restaurants and cafes, 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 cafes, 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 lobbies, commercial floors, institutional uses etc.
Wet Ramp

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:

Class A [12º to 17º]
Dry areas including dry changing room areas, dry barefoot corridors etc.

Class B [18º to 23º]
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 [>23º]
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.

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.

Wet Barefoot Areas

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

Accessibility and Support

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].

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.

Light Reflectance Values

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

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

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.

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

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.

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

© Property of and used under the licence from Scandinavian Colour Institute AB, SCI Sweden AB, Stockholm, 2001. See your local NCS distributor for original NCS standard samples.
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 11.1 - 1989
[Workmanship on Building Sites, Part 11, 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.

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

<table>
<thead>
<tr>
<th>Substrates</th>
<th>Curing Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>6 Weeks</td>
</tr>
<tr>
<td>Screed - Non Modified</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>Rendering - Non Modified</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>Gypsum Plastering</td>
<td>4 Weeks</td>
</tr>
<tr>
<td>Brickwork / Blockwork</td>
<td>6 Weeks</td>
</tr>
</tbody>
</table>

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

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:

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>Rapid Set / Rapid Set Flexible</td>
</tr>
<tr>
<td>Sand / Cement Screed</td>
<td>Rapid Set / Rapid Set Flexible</td>
</tr>
<tr>
<td>Wood Floors</td>
<td>Speed Flex</td>
</tr>
<tr>
<td>Brickwork / Blockwork</td>
<td>One Part Flexible</td>
</tr>
<tr>
<td>Sand / Cement Render</td>
<td>One Part Flexible</td>
</tr>
<tr>
<td>Plasterboard</td>
<td>One Part Flexible</td>
</tr>
</tbody>
</table>

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 i.e. 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.

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.
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. Nothing in these statements does or will affect the statutory rights of the consumer.

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