Select Collection
Ceramic, Vitrified and Porcelain
Wall and Floor Tiles
Select, a design led collection of wall and floor tiles, perfect for both traditional and modern interiors. It offers both small and large format sizes, a wide palette of colours, textures and co-ordinating decorative options. The Select Collection is available in a choice of high quality ceramic, vitrified and porcelain. The full Select Collection is available from stock.

About us
You can be assured that with more than 100 years’ expertise, all Johnson Tiles products are designed and manufactured to the highest possible standards and performance ratings.

We are very conscious of our part in protecting the environment. Listed in ‘The Sunday Times Best Green Companies’, each year we re-use internal water supplies, recapture and distribute heat generated from our kilns, and recycle approximately 10k tonnes of ceramic, waste; and all product manufactured at our Stoke on Trent base contains up to 20% recycled ceramic materials – a unique process worldwide.

Johnson Tiles is a division of Norcros Group (Holdings) Limited, Ladyfield House, Station Road, Wilmslow, Cheshire, SK9 1BU.
Registered in England number 566694.

One portfolio...
We operate from one core product portfolio used internationally. Three collections built on a Good, Better and Best principle. Each group has both wall and floor co-ordinating options. Our colour and design story works across all three collections allowing clients to ‘mix and match’ between price points and styles.

To learn more about these or any of our other ranges, simply go to www.johnson-tiles.com
**Arctic White** is available in **three sizes**, perfectly designed for seamless installation.

<table>
<thead>
<tr>
<th>Size</th>
<th>600 x 300mm</th>
<th>400 x 150mm</th>
<th>300 x 100mm</th>
</tr>
</thead>
</table>

**Availability**

<table>
<thead>
<tr>
<th>Size</th>
<th>300 x 100mm</th>
<th>400 x 150mm</th>
<th>600 x 300mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 x 100mm</td>
<td>AFC1A White Gloss</td>
<td>TN61A White Satin</td>
<td>GRO1A White Gloss Groove</td>
</tr>
<tr>
<td>400 x 150mm</td>
<td>AFC1A White Gloss</td>
<td>ELM512 White Satin</td>
<td></td>
</tr>
<tr>
<td>600 x 300mm</td>
<td>AFC1A White Gloss</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Three finishes** combine form and function.  
Examples below are not to scale but have been enlarged to show detail.
**Ashlar** is available in **two sizes**, perfectly designed for easy installation.

<table>
<thead>
<tr>
<th>Size</th>
<th>600 x 300mm</th>
<th>505 x 505mm</th>
</tr>
</thead>
</table>

**Thickness**

505 x 505mm tiles in this range are 9.5mm thick.

**Availability**

<table>
<thead>
<tr>
<th>505 x 505mm</th>
<th>600 x 300mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALR01F Warm Taupe Matt</td>
<td>ALR01A Warm Taupe Textured</td>
</tr>
<tr>
<td>ALR02F Weathered White Matt</td>
<td>ALR02A Weathered White Textured</td>
</tr>
<tr>
<td>ALR03F Crafted Grey Matt</td>
<td>ALR03A Crafted Grey Textured</td>
</tr>
</tbody>
</table>

**Two finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail.

<table>
<thead>
<tr>
<th>Textured</th>
<th>Matt</th>
</tr>
</thead>
</table>

**Three colours** offering a neutral and contemporary palette.
**Bergen** is available in **one** subtle and versatile size.

**Availability**
- All sizes
  - BERG01A White Ash Matt
  - BERG02A Light Cane Matt
  - BERG03A Driftwood Matt
  - BERG04A Auburn Teak Matt
  - BERG05A Silver Birch Matt
  - BERG06A Grey Ebony Matt

**Size**
- 200 x 100mm

**Thickness**
All tiles in this range are 6.5mm thick.

**Six colours** offering a neutral and contemporary palette.

- Light Cane
- Driftwood
- Auburn Teak
- White Ash
- Silver Birch
- Grey Ebony

**One finish**
Example below is not to scale but has been enlarged to show detail.

- Matt

**Bergen Light Cane and Driftwood**
Boundary is available in two sizes, perfectly designed for seamless installation.

**Size**
- 600 x 600mm
- 600 x 300mm

**Thickness**
All tiles in this range are 9mm thick.

**Availability**
- BON01N Earthtones Natural
- BON01N Dune Natural
- BON01N Chalk Natural
- BON01N Castlerock Natural
- BON01N Storm Natural
- BON02N Earthtones Lapato
- BON02N Dune Lapato
- BON02N Chalk Lapato
- BON02N Castlerock Lapato
- BON02N Storm Lapato

**Two finishes combine form and function.**
Examples below are not to scale but have been enlarged to show detail.

**Five colours** offering a neutral and contemporary palette.

- Earthtones
- Dune
- Chalk
- Castlerock
- Storm

**Boundary Castlerock Natural**
Cambridge is available in one bold and impactful size.

Size

600 x 300mm

Availability

All sizes
CAB01A Old Stone Textured
CAB02A Classic White Textured
CAB03A Natural Grey Textured

One finish

Example below is not to scale but has been enlarged to show detail.

Textured

Three colours offering a neutral and contemporary palette.

Classic White
Old Stone
Natural Grey

Cambridge Natural Grey
**Chroma** is available in one subtle and versatile size.

### Size

300 x 100mm

### Availability

**All sizes**
- ATC2A Arctic Gloss
- CHG01A Saffron Gloss
- CHG02A Sunset Gloss
- CHG03A Poppy Gloss
- CHG04A Coal Gloss
- CHG05A Tarragon Gloss
- CHG06A Ocean Gloss
- CHG07A Dolphin Gloss
- CHG08A Alloy Gloss
- CHG09A Fawn Gloss
- CHG10A Almond Gloss
- CHG11A Coffee Gloss
- CHS12A Snow Satin
- CHS13A Nightsky Satin
- CHS14A Steel Satin
- CHS15A Pewter Satin
- CHS16A Putty Satin
- CHS17A Seed Satin
- CHS18A Acorn Satin
- CHS19A Mink Satin

### Two finishes combine form and function.

Examples below are not to scale but have been enlarged to show detail.

- **Gloss**
- **Satin**

### 21 colours offering a neutral and contemporary palette.

- **Arctic**
- **Sand**
- **Fawn**
- **Snow**
- **Putty**
- **Seed**
- **Alloy**
- **Coffee**
- **Almond**
- **Pewter**
- **Mink**
- **Acorn**

Please turn over to view other available colours...
Classics is available in one bold and impactful size.

Size
600 x 300mm

Availability
All sizes
CICS1A Carrara Gloss
CICS2A Travertine Satin
CICS3A Crema Marfil Satin

Thickness
All tiles in this range are 10mm thick.

Two finishes combine form and function.
Examples below are not to scale but have been enlarged to show detail.

Classics Carrara Gloss

Three colours offering a neutral and contemporary palette.

Carrara
Travertine
Crema Marfil
**Concept** is available in two sizes, perfectly designed for easy installation.

<table>
<thead>
<tr>
<th>Size</th>
<th>850 x 450mm</th>
<th>450 x 450mm</th>
</tr>
</thead>
</table>

**Availability**

<table>
<thead>
<tr>
<th>Size</th>
<th>850 x 300mm</th>
<th>850 x 280mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONC1F</td>
<td>Smoke Matt</td>
<td>CONC1F Smoke Matt</td>
</tr>
<tr>
<td>CONC2F</td>
<td>Oyster Matt</td>
<td>CONC2F Oyster Matt</td>
</tr>
<tr>
<td>CONC3F</td>
<td>Putty Matt</td>
<td>CONC3F Putty Matt</td>
</tr>
<tr>
<td>CONC1D</td>
<td>Grey Mix Matt Structured</td>
<td>CONC1D Grey Mix Matt Structured</td>
</tr>
<tr>
<td>CONC2D</td>
<td>Beige Mix Matt Structured</td>
<td>CONC2D Beige Mix Matt Structured</td>
</tr>
</tbody>
</table>

**Thickness**

850 x 300mm tiles in this range are 10mm thick.
450 x 450mm tiles are 9mm thick.

**Two finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail.

**Five colours** offering a neutral and contemporary palette.

- Oyster
- Smoke
- Putty
- Beige Mix
- Grey Mix

Concept Grey Mix Matt Structured
**Duo** is available in one bold and impactful size.

**Size**

608 x 316mm

**Availability**

All sizes:
- DUO01A Ice Gloss Textured
- DUO02A Jet Gloss Textured

**Thickness**

All tiles in this range are 9mm thick.

**One finish**

Example below is not to scale but has been enlarged to show detail.

**Two colours** offering a monochrome and contemporary palette.

- Ice
- Jet

Duo Ice and Jet
**Eminence** is available in one bold and impactful size.

**Size**

- 600 x 300mm

**Availability**

- All sizes
  - EMI01A: White Gloss
  - EMI12A: White Matt
  - EMI12R: White Matt Ripple
  - EMI12F: White Matt Flower
  - EMI12W: White Matt Weave

**Thickness**

All tiles in this range are 9.5mm thick.

**Five finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail:

- **Gloss**
- **Matt**
- **Matt Ripple**
- **Matt Flower**
- **Matt Weave**

**One colour**

- White

Eminence White Matt and Matt Ripple
**Enstone** is available in one bold and impactful size.

**Size**

600 x 600mm

**Thickness**

All tiles in this range are 9.8mm thick.

**Availability**

All sizes

ENST1N Chalk Hill Natural

ENST2N Sandy Cove Natural

**One finish**

Example below is not to scale but has been enlarged to show detail.

**Two colours** offering a neutral and contemporary palette.
**Fitzrovia** is available in one bold and impactful size.

**Size**
600 x 300mm

**Availability**
All sizes
FITZ1A Pearl Gloss
FITZ1A Silver Gloss

**Thickness**
All tiles in this range are 10mm thick.

**One finish**
Example below is not to scale but has been enlarged to show detail:

**Two colours** offering a neutral and contemporary palette.

Pearl
Silver
**Harbour** is available in one subtle and versatile size.

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 x 150mm</td>
</tr>
</tbody>
</table>

**Availability**

<table>
<thead>
<tr>
<th>All sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HARB1T Sea Spray Structured</td>
</tr>
<tr>
<td>HARB2T Quay Grey Structured</td>
</tr>
<tr>
<td>HARB3T Breakwater Structured</td>
</tr>
</tbody>
</table>

**Thickness**

All tiles in this range are 10mm thick.

**One finish**

Example below is not to scale but has been enlarged to show detail.

**Three colours** offering a neutral and contemporary palette.

- **Sea Spray**
- **Quay Grey**
- **Breakwater**

**Harbour Quay Grey**
**Jewelstone** is available in **one** subtle and versatile size.

<table>
<thead>
<tr>
<th><strong>Size</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet size 300 x 300mm</td>
<td></td>
</tr>
<tr>
<td>14 x 14mm</td>
<td></td>
</tr>
</tbody>
</table>

**Availability**

- JEST01 Pearl Mixed
- JEST02 Amethyst Mixed
- JEST03 Bronze Mixed
- JEST04 Gold Mixed
- JEST05 Opal Mixed
- JEST06 Quartz Gloss
- JEST07 Sapphire Gloss
- JEST08 Topaz Mixed
- JEST09 Ruby Gloss
- JEST10 Onyx Gloss

**Thickness**

All tiles in this range are 8mm thick.

**Two finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail.

<table>
<thead>
<tr>
<th><strong>Gloss</strong></th>
<th><strong>Mixed</strong></th>
<th><strong>10 colours</strong> offering a neutral and contemporary palette.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pearl</td>
<td>Amethyst</td>
<td>Bronze</td>
</tr>
<tr>
<td>Gold</td>
<td>Opal</td>
<td>Quartz</td>
</tr>
<tr>
<td>Opal</td>
<td>Topaz</td>
<td>Ruby</td>
</tr>
<tr>
<td>Onyx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Kielder** is available in one bold and impactful size.

**Size**
1140 x 200mm

**Availability**
All sizes
- KIEL1N Autumn Dawn Natural
- KIEL2N Evening Dawn Natural
- KIEL3N Frosty Oak Natural
- KIEL4N Midnight Forest Natural

**Thickness**
All tiles in this range are 10mm thick.

**Four colours** offering a neutral and contemporary palette.

- Autumn Dawn PEI II
- Evening Glow PEI II
- Frosty Oak PEI II
- Midnight Forest PEI I

**One finish**
Example below is not to scale but has been enlarged to show detail:

- Natural
**Latitude** is available in one bold and impactful size.

**Size**

600 x 300mm

**Availability**

All sizes

LAT1A Chalk Satin
LAT1B Smoke Satin
LAT1C Carbon Satin

**Thickness**

All tiles in this range are 10mm thick.

**One finish**

Example below is not to scale but has been enlarged to show detail:

**Three colours** offering a neutral and contemporary palette.

- Chalk
- Smoke
- Carbon
Modern is available in **two sizes**, perfectly designed for seamless installation.

<table>
<thead>
<tr>
<th>Size</th>
<th>600 x 600mm</th>
</tr>
</thead>
</table>

**Thickness**

All Natural finish tiles in this range are 10mm thick. All Polished finish tiles are 9.5mm thick.

<table>
<thead>
<tr>
<th>Mosaic</th>
<th>MON1HM - Beige (Basalt, Flax and Oyster Natural and Polished Mix)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MON2HM - Grey (Graphite, Slate and Moonstone Natural and Polished Mix)</td>
</tr>
</tbody>
</table>

**Availability**

<table>
<thead>
<tr>
<th>All sizes</th>
<th>MON1N Basalt Natural</th>
<th>MON1F Basalt Polished</th>
</tr>
</thead>
<tbody>
<tr>
<td>MON2N Flax Natural</td>
<td>MON2F Flax Polished</td>
<td></td>
</tr>
<tr>
<td>MON3N Oyster Natural</td>
<td>MON3F Oyster Polished</td>
<td></td>
</tr>
<tr>
<td>MON4N Ivory Natural</td>
<td>MON4F Ivory Polished</td>
<td></td>
</tr>
<tr>
<td>MON5N Moonstone Natural</td>
<td>MON5F Moonstone Polished</td>
<td></td>
</tr>
<tr>
<td>MON6N Slate Natural</td>
<td>MON6F Slate Polished</td>
<td></td>
</tr>
<tr>
<td>MON7N Graphite Natural</td>
<td>MON7F Graphite Polished</td>
<td></td>
</tr>
</tbody>
</table>

**Two finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail.

- Basalt
- Flax
- Oyster
- Ivory
- Moonstone
- Slate
- Graphite

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*38*
Natural Mosaics is available in five sizes, perfectly designed for seamless installation.

**Size**
- Sheet size 305 x 305mm
- 100 x 50mm
- 50 x 50mm
- 50 x 25mm
- 50 x 17mm
- 25 x 25mm

**Thickness**
All tiles in this range are 10mm thick.

**Availability**
- 25 x 25mm
  - SMXK1A White Mix Natural
- 100 x 50mm
  - SMCT1A Travertine Polished
  - SMBB1A Brown and Beige Polished
  - SMBB1A Black Polished
- 50 x 50mm
  - SMWT2A White Natural
  - SMST2A Silver Travertine Natural
- 50 x 25mm
  - SMSM2A Silver Mix Natural
- 100 x 50mm
  - SMBR1A White Natural
  - SMST2A Silver Travertine Natural

**Two finishes** combine form and function.
Examples below are not to scale but have been enlarged to show detail.

**Eight colours** offering a neutral and contemporary palette.
**Natural Tones** is available in **two sizes**, perfectly designed for seamless installation.

### Size

- **600 x 600mm**
- **600 x 300mm**

### Mosaic

- Sheet size: 300 x 300mm
- 47 x 47mm
- **NTM2MM - Neutrals** (Zinc, Charcoal, Dove and Otter Stones Mix)
- **NTM05MM - Naturals** (Ecru, Pebble, Mink, Nougat and Mocha Marbles Mix)

### Availability

- **600 x 600mm**
  - NTM01A Dove Marble Gloss
  - NTM02A Otter Marble Gloss
  - NTM03A Nougat Marble Gloss
  - NTM04A Mocha Marble Gloss
  - NT01A Ecru Stone Matt
  - NT02A Pebble Stone Matt
  - NT03A Mink Stone Matt
  - NT04A Zinc Stone Matt
  - NT05A Charcoal Stone Matt

- **600 x 300mm**
  - NTM01F Dove Marble Gloss
  - NTM02F Otter Marble Gloss
  - NTM03F Nougat Marble Gloss
  - NTM04F Mocha Marble Gloss
  - NT01F Ecru Stone Matt
  - NT02F Pebble Stone Matt
  - NT03F Mink Stone Matt
  - NT04F Zinc Stone Matt
  - NT05F Charcoal Stone Matt

### Thickness

- 600 x 600mm tiles in this range are 10mm thick.

### Two finishes combine form and function.

Examples below are not to scale but have been enlarged to show detail.

- **Gloss**
- **Matt**

### Nine colours offering a neutral and contemporary palette.

- **Ecru Stone** PEI IV
- **Pebble Stone** PEI III
- **Mink Stone** PEI II
- **Zinc Stone** PEI II
- **Charcoal Stone** PEI I
- **Dove Marble** PEI IV
- **Otter Marble** PEI III
- **Nougat Marble** PEI IV
- **Mocha Marble** PEI I
**Opal White** is available in one subtle and versatile size.

**Size**
152 x 152mm

**Thickness**
All tiles in this range are 5.5mm thick.

**Availability**
All sizes: NOS, Wht, Gloss

**One finish**
Example below is not to scale but has been enlarged to show detail:

**Gloss**

---

**One colour**

White

---

Opal White
Parade is available in one bold and impactful size.

**Size**
600 x 600mm

**Availability**
All sizes
PAR01P White Polished
PAR02P Black Polished

**Thickness**
All tiles in this range are 10mm thick.

---

Two colours offering a monochrome and contemporary palette.

**One finish**
Example below is not to scale but has been enlarged to show detail:

Parade Black
Prismatics is available in five sizes, perfectly designed for seamless installation.

### Size

<table>
<thead>
<tr>
<th>Size</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 x 200mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>150 x 173mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>150 x 150mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>100 x 100mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### Cove

<table>
<thead>
<tr>
<th>Cove</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 x 100mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>200 x 100mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>200 x 100mm</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### Thickness

All tiles in this range are 6.5mm thick.

### Availability

- **100 x 100mm**, **150 x 150mm**, **200 x 100mm** and **200 x 200mm**
- All colours are available in all sizes.

### Fitting

<table>
<thead>
<tr>
<th>Fitting</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 x 100mm - REL</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>200 x 100mm - RES</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>200 x 100mm - REXYH</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
<tr>
<td>200 x 100mm - REX</td>
<td><img src="image.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### Two finishes combine form and function.

Examples below are not to scale but have been enlarged to show detail.

### Gloss

- White
- Shark
- Storm Grey
- Hawk Grey
- Mushroom
- Old Lace
- Rice
- Peach Sorbet
- Ginger
- Sandcastle
- Victorian Cream
- Lemon Ice
- Blackberry
- Victorian Maroon
- Magenta
- Thistle
- Victorian Blue
- Midnight
- Bluebell
- Harebell
- Victorian Green
- Jungle
- Olive
- Chartreuse

Please turn over to view other available colours...
<table>
<thead>
<tr>
<th>Ash</th>
<th>Elephant</th>
<th>Shadow</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suede</td>
<td>Woodpigeon</td>
<td>Coffee</td>
<td>Cappuccino</td>
</tr>
<tr>
<td>Mimosa</td>
<td>Sun Haze</td>
<td>Goldcrest</td>
<td>Sunflower</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>Flame</td>
<td>Tomato</td>
<td>Strawberry</td>
</tr>
<tr>
<td>Mintwater</td>
<td>Duck Egg</td>
<td>Electric</td>
<td>Teal</td>
</tr>
<tr>
<td>Pistachio</td>
<td>Peppermint</td>
<td>Lagoon</td>
<td>Ocean Blue</td>
</tr>
</tbody>
</table>

### 20 Satin colours

<table>
<thead>
<tr>
<th>Black</th>
<th>Moleskin</th>
<th>Shark</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russet</td>
<td>Truffle</td>
<td>Old Lace</td>
<td>Magnolia</td>
</tr>
<tr>
<td>Goldcrest</td>
<td>Vanilla</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cayenne</td>
<td>Pumpkin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lapis</td>
<td>Sky</td>
<td>Aqua</td>
<td>Harebell</td>
</tr>
<tr>
<td>Peacock</td>
<td>Sweet Pea</td>
<td>Peppermint</td>
<td>Willow</td>
</tr>
</tbody>
</table>
**Riven** is available in **one** bold and impactful size.

**Size**

600 x 300mm

**Availability**

**RIV01S** Portland White  Structured
**RIV02S** Yorkstone  Structured
**RIV03S** Granite City  Structured
**RIV04S** Welsh Slate  Structured

**One finish**

Example below is not to scale but has been enlarged to show detail.

**Structured**

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**Four colours** offering a neutral and contemporary palette.

- **Portland White PEI IV**
- **Yorkstone PEI III**
- **Granite City PEI III**
- **Welsh Slate PEI III**

Riven Welsh Slate
Savoy is available in two sizes, perfectly designed for seamless installation.

### Size

- 300 x 100mm
- 200 x 100mm

### Fitting

- 200mm - Finishing strip

### N.B

Savoy is designed to have a high shade variation. Before fixing, several cartons should be opened, and the contents mixed, to ensure that the size, shade, colour and patterning are acceptable.

### Availability

<table>
<thead>
<tr>
<th>All sizes</th>
<th>All fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAV02A Oat Gloss</td>
<td>SAV02D Oat Gloss Décor *</td>
</tr>
<tr>
<td>SAV03A Grain Gloss</td>
<td>SAV03D Grain Gloss Décor *</td>
</tr>
<tr>
<td>SAV04A Caraway Gloss</td>
<td>SAV04D Caraway Gloss Décor *</td>
</tr>
<tr>
<td>SAV05A Dew Glass</td>
<td>SAV05D Dew Glass Décor *</td>
</tr>
<tr>
<td>SAV06A Steel Glass</td>
<td>SAV06D Steel Glass Décor *</td>
</tr>
<tr>
<td>SAV07A Noir Glass</td>
<td>SAV07D Noir Glass Décor *</td>
</tr>
<tr>
<td>SAV08A Leaf Glass</td>
<td>SAV08D Leaf Glass Décor *</td>
</tr>
</tbody>
</table>

* *Only available in 300 x 100mm

### Two finishes combine form and function.

Examples below are not to scale but have been enlarged to show detail.

### Seven colours offering a neutral and contemporary palette.

- Oat
- Grain
- Caraway
- Dew
- Steel
- Noir
- Leaf

### Thickness

200 x 100mm tiles in this range are 6.5mm thick.
**Stonework** is available in **one** subtle and versatile size.

**Size**
200 x 100mm

**Availability**
All sizes
STW1A Autumn Brown Matt
STW2A Hessian Matt
STW3A Light Tan Matt
STW4A Limewash Matt
STW5A Cool Mist Matt
STW6A Dusk Matt

**Thickness**
All tiles in this range are 6.5mm thick.

**Six colours** offering a neutral and contemporary palette.

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

**One finish**
Example below is not to scale but has been enlarged to show detail.

Matt

Stonework Dusk
**Street** is available in **three sizes**, perfectly designed for easy installation.

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>850 x 300mm</td>
<td>450 x 450mm tiles in this range are 9mm thick. All other tiles are 10mm thick.</td>
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<tr>
<td>600 x 600mm</td>
<td></td>
</tr>
<tr>
<td>450 x 450mm</td>
<td></td>
</tr>
</tbody>
</table>

**Availability**
- All sizes
- STRT1N Vapour Matt
- STRT2N Pewter Matt
- STRT3N Iron Matt

**One finish**

Example below is not to scale but has been enlarged to show detail:

**Three colours** offering a neutral and contemporary palette.
Teres Mosaics is available in one subtle and versatile size.

**Availability**

- TERE02 Polar Gloss
- TERE07 Carbon Gloss
- TERE14 Black Gloss
- TERE15 Pillar Box Gloss
- TERE19 Azure Gloss
- TERE30 Pewter Gloss
- TERE39 Teal Gloss
- TERE50 Blue Topaz Gloss
- TERE64 Plum Gloss
- TERV15 Straw Gloss
- TERV44 Chestnut Gloss
- TERV70 Spearmint Gloss
- TERV73 Marine Gloss

**Size**

- Sheet size 300 x 300mm
- 23 x 23mm

**Thickness**

All tiles in this range are 4mm thick.

---

**13 colours** offering a vibrant and contemporary palette.

- Polar
- Pewter
- Carbon
- Fawn
- Plum
- Chestnut
- Spearmint
- Blue Topaz
- Marine
- Straw
- Pillar Box
- Azure
- Black

---

**One finish**

Example below is not to scale but has been enlarged to show detail:
**Tones** is available in one subtle and versatile size.

**Size**

400 x 150mm

**Availability**

All sizes:
- TNS1A White Matt
- TNS2A Cream Matt
- TNS3A Latte Matt
- TNS4A Mocha Matt
- TNS5A Steam Matt
- TNS6A Smoke Matt
- TNS7A Charcoal Matt
- TNS0F Forest Matt
- TNS1W White Matt Wave
- TNS2W Cream Matt Wave
- TNS3W Latte Matt Wave
- TNS4W Mocha Matt Wave
- TNS5W Steam Matt Wave
- TNS6W Smoke Matt Wave
- TNS7W Charcoal Matt Wave
- TNS0FW Forest Matt Wave

**Four finishes** combine form and function.

Examples below are not to scale but have been enlarged to show detail.

**Matt**

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

**Matt Wave**

- White
- Cream
- Mocha
- Steam
- Smoke
- Charcoal

**Matt Nano**

- White
- Charcoal

**Matt Polygon**

- White
- Mocha

**12 colours** offering a neutral and contemporary palette.
**Vivid** is available in one subtle and versatile size.

**Size**

- 400 x 150mm

**Availability**

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

**10 colours** offering a vibrant and contemporary palette.

- White
- Clay
- Orange
- Red
- Purple
- Teal
- Lime
- Blue
- Dark Grey
- Black
Zeppelin is available in **two sizes**, perfectly designed for easy installation.

<table>
<thead>
<tr>
<th>Availability</th>
<th>Size</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
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<td>50 x 200mm</td>
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<tr>
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<tr>
<td>ZEPL3F</td>
<td>Bronze  Gloss</td>
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<td>ZEPL4F</td>
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<tr>
<td>ZEPL1A</td>
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<td>ZEPL2A</td>
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<td>ZEPL3A</td>
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</tr>
<tr>
<td>ZEPL4A</td>
<td>Grey  Gloss</td>
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</tr>
</tbody>
</table>

**Four colours** offering a neutral and contemporary palette.

- **Silver** PEI IV
- **Cream** PEI IV
- **Bronze** PEI III
- **Grey** PEI III

**One finish**

Example below is not to scale but has been enlarged to show detail.

**Gloss**
Detailed information on slip resistance, colour notations and CSV, PEI’s, physical properties, installation and leaning and maintenance for all of the tiles illustrated in this brochure.
HSE slip resistance guidelines

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.

Slip resistance of a floor depends upon many factors:
- The roughness of the surface.
- Whether it is wet or dry when in use.
- Whether the floor finish is regularly contaminated by liquids or other contaminants.
- The wear characteristics of the floor finish.
- Implementation of a suitable cleaning and maintenance schedule.

In addition to the above there are other factors that can affect the slip resistance and performance characteristics of a floor finish, these include:
- Lighting and glare.
- Humidity.
- Slopes and ramps.
- Visual or acoustic distractions.
- Type of footwear worn.

Where there is a change of floor material or texture there is an increased risk of slipping or tripping. A reduction of the coefficient of friction values of the two materials varies greatly. This can be minimised by locating the material or finish change at predictable locations i.e. door or wall openings.

Slip resistant floor finishes are recommended for use in areas where safety is paramount i.e. entrances, ramps, stairs and landings, escape routes, commercial kitchen areas, adjacent to hazardous machinery or activities and areas subject to frequent wetting i.e. shower floors, swimming pool surrounds – this is not an exhaustive list.

Based on recommendations from the HSE, you should use floor finishes that achieve a Pendulum 4S (Slider 96) of 36+ for shod foot areas and/or a Pendulum TRL (Slider 55) of 40+ for wet barefoot areas, to achieve a low slip potential environment.

We personally suggest using a structured tile with a Pendulum TRL (Slider 55) of 40+ for wet barefoot areas, as good practice, due to possible change facilities, swimming pool steps and areas that are frequently or permanently wet.

Commercial kitchens

Hygiene and slip resistance are extremely important in commercial kitchens. Kitchens are likely to not only receive water contamination but also wet and dry foods and oils and greases from cooking either through spillage or splashing.

Floors for commercial kitchens should provide sufficient surface roughness to create a slip resistant finish. Roughness values of over 20 microns are normally adequate (Specifiers Handbook for Inclusive Design – Internal Floor Finishes” available from RIBA Bookshops) for areas that are frequently or permanently wet.

Floor finishes should also be easy to clean and stain resistant to maintain hygiene.

Pendulum test

This is a shod foot test which uses oil as a contaminant. These results are interpreted into 5 groups, R9 to R13. R9 being the slippier and R13 being the least. Please note: R9 is not suitable for areas requiring slip resistance. There are no such categories as R1 – R8.

RABC Guidelines (R1, R2, R3, R4, R5)

ABC Ratings (DIN 116, R11 – R13). This is a wet barefoot test where a soap solution is applied as a contaminant, the results from this test are placed in to three categories:
- Class A – Dry areas including dry changing areas, dry barefoot corridors.
- Class B – As A plus pools surrounds, communal showers, pool beach areas, wet change areas.
- Class C – As A and B plus pool surround tiles, walk through pools, Jacuzzi floors and seats, in lined pool edges and steps.

R and ABC rating have generally been used to assess product suitability in the UK. However this is changing dramatically in accordance with recommendations from the HSE with the preferred test method being the Pendulum test.

Slip Resistance Further Reading

The slip resistance information contained in this brochure is for guidance only and is based on information available at the time of production, project specific requirements should be used and checks made that the requirements at time of specification are incorporated. Further information is available from: www.hse.gov.uk

All of the slip resistance values given in this publication are factory gate values (un-fixed product from a typical production run). These slip resistance values can only be maintained in service with the implementation of a suitable cleaning and maintenance regime. Should slip resistance information be to used as a guide only. It must be noted that slip resistance values can vary from production batch to production batch in all floor tiles so specific batch testing should be carried out before installation. Johnson Tiles cannot be held liable for any variations in slip resistance performance once product has been fixed.
Technical

**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 different of 30 LRV points should be specified for adjacent surfaces to ensure that visually impaired people are not discriminated against. In specific example of ceramic tiles this difference should be between:
- Floors to walls
- Ceiling to walls
- Handrails to walls
- Sanitary fittings to walls

Visual contrast between floors and walls is important in enabling visually impaired people to assess and gauge the size and shape of a room. It is important the greatest visual contrast occurs 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 wall surface.

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 brochure is correct at the time of print.

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

**Colour shade variation (CSV)**

CSV values are assigned to wall and floor tiles in this binder. These values must only be used as a guide. Products within this binder have a CSV value of:

- **V4 random 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 variance in the installation. This high shade variance is a design feature of V4 rated tiles.

- **V3 high 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.

- **V2 moderate variation**
  - Low to moderate shade variation within a box, when installed and mixed correctly the effect is a finish with a moderate degree of shade variation. These differences are a design feature of V2 rated tiles.

- **V1 low variation**
  - Least possible shade variation between tiles in a box. When installed and mixed correctly, the effect is a finish with a slight degree of shade variation. These differences are a design feature of V1 rated tiles.
Colour notations values

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<tr>
<th>Range</th>
<th>Code</th>
<th>Colour</th>
<th>NCS</th>
<th>LRV</th>
<th>CSV</th>
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Note: These results are from Johnson Tiles’ internal test reports and are only to be used for guidance only.

Natural Mosaics Due to the colour variance of these tiles, an accurate Light Reflectance Value and colour notation cannot be accurately calculated. For further information, please contact our technical helpline.

Natural Tones Due to the colour variance of these tiles, an accurate Light Reflectance Value and colour notation cannot be accurately calculated. For further information, please contact our technical helpline.

Opal White

<table>
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Light Reflectance Value (Reference 1)
Savory

Due to the colour variance of these tiles, an accurate Light Reflectance Value and colour notation cannot be accurately calculated. For further information, please contact our technical helpline.

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Technical

**PEI test results**

**Abrasion resistance of glazed floor tiles (PEI)**
This approximate classification is given for guidance only. It should not be taken to provide accurate product specifications for specific requirements.

**PEI I**
Floor coverings in areas that are walked on essentially with soft soled footwear or bare feet without scratching dirt (e.g. residential bathrooms or bedrooms without direct access from the outside).

**PEI II**
Floor coverings in areas that are walked on by soft soled or normal footwear with, at most, the occasional small amounts of scratching dirt (e.g. rooms in living areas of homes but with the exception of kitchens, entrances and other rooms which may have a lot of traffic). This does not apply to abnormal footwear; for example hobnailed boots.

**PEI III**
Floor coverings in areas that, with normal footwear, are walked on more often with small amounts of scratching dirt (e.g. residential kitchens, halls and corridors). This does not apply to abnormal footwear, for example hobnailed boots.

**PEI IV**
Floor coverings that are subject to severe pedestrian traffic over sustained periods with some scratching dirt, so that the conditions are the most severe for which glazed floor tiles may be suitable (e.g. public areas such as restaurant floors, office internal walkways and reception areas).

**This classification is valid for the given applications in normal conditions. Consideration should be given to footwear, type of traffic and cleaning methods expected and the floors should be adequately protected against scratching dirt at the entrance to the buildings by interposing footwear cleaning devices.**

**PEI test values**

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---

**Physical properties**

**Ceramic tile**

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<th>Test</th>
<th>Standard</th>
<th>Requirement</th>
<th>Typical test value</th>
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</thead>
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<tr>
<td>Length/width</td>
<td>EN ISO 10545-2</td>
<td>≥0.6% ± 2mm</td>
<td>Pass</td>
</tr>
<tr>
<td>Straightness of side</td>
<td>EN ISO 10545-2</td>
<td>≥0.3% ± 1.5mm</td>
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<tr>
<td>Water absorption</td>
<td>EN ISO 10545-3</td>
<td>10% to 20%</td>
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<tr>
<td>Module of rupture</td>
<td>EN ISO 10545-4</td>
<td>Min 15N/mm²</td>
<td>Not suitable for installations where temperatures may fall below freezing</td>
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<tr>
<td>Frost resistance</td>
<td>EN ISO 10545-12</td>
<td>Min 50°C</td>
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</tr>
<tr>
<td>Stain resistance</td>
<td>EN ISO 10545-14</td>
<td>Min Class 3</td>
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**Vitrified tile**

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<th>Test</th>
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<th>Typical test value</th>
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<tr>
<td>Length/width</td>
<td>EN ISO 10545-2</td>
<td>≥0.6% ± 2mm</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>
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<td>Water absorption</td>
<td>EN ISO 10545-3</td>
<td>3% to 6%</td>
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<tr>
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**Porcelain tile**

<table>
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<tr>
<td>Straightness of side</td>
<td>EN ISO 10545-2</td>
<td>≥0.5% ± 1.5mm</td>
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<tr>
<td>Water absorption</td>
<td>EN ISO 10545-3</td>
<td>10% to 20%</td>
<td>Pass</td>
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<tr>
<td>Module of rupture</td>
<td>EN ISO 10545-4</td>
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Installation advice

Codes of Practice

All fixing of floor and cladding tiles should be in accordance with the following codes of practice guides:
BS5385 Part 1 – 1995 (Code of practice for the design and installation of integral wall tiling and mosaics)
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 un-glazed class 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.

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 observed for all substrates:

 Movements 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 fall width with intermediate movement joints (minimum 6mm wide) being situated at:
- Changes of plane
- Wall/floor junctions
- Where tiles abut 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 polyurethane – 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.

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. Johnson Professional 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. Johnson Professional 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. Johnson Professional Easy Clean Grout.

For specific adhesive or grout advice please contact Johnson Professional helpline 0870 609 2853.

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

Wall tiles

Builders Clean

This should be undertaken prior to wall being brought into service. The builders clean removes cement and residual film left over from grouting process and is a one-off cleaning process. It is important that this is carried out professionally and thoroughly as any grout residues left behind will act as a key for dirt.

Cementitious Grouts

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

Epoxy Grouts

This is essential that ALL residues from the grouting process are removed from the tile’s surface before the resin cures. If you don’t do this, it will become a very difficult and expensive cleaning process using gel-type epoxy removers.

Epoxy Grouts

Glazed wall tiles can be wiped with warm water to which a neutral or nearly neutral detergent has been added.

Periodic Deep Cleaning

Occasionally foreign matter may cause surface marks on tiles. If the surface mark cannot be removed with the normal cleaning procedures detailed above, other cleaning materials should be considered. It is advisable to try a small inconspicuous area first.

Paint Paint remover

Organic stains

Bleach or a one-off treatment with washing soda

Rust

Masonry cleaner

Rubber

Abrasive powder or liquid but not on glazed tiles

Oil, fat, grease

Detergent or degreasers

Mould growth

Household bleach or proprietary cleaner

Tea, coffee, ink

Household bleach or proprietary cleaner

Abrasives or cleaners should never be used on ceramic tiles.

Floor tiles

Builders Clean

This should be undertaken prior to floor being used. The builders clean removes cement and residual film left over from the grouting process and is a one-off cleaning process. It is important that this is carried out professionally and thoroughly as any grout residues left behind will act as a key for dirt.

Cementitious Grouts

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

Epoxy Grouts

In normal conditions ceramic tiles require little maintenance. Un-glazed porcelain floor tiles can be maintained by sweeping and cleaning with warm water to which a neutral or nearly neutral detergent has been added. The cleaning solution should be allowed to remain on the floor for 5 to 15 minutes to allow it to penetrate and emulsify the dirt, after which it should be removed by rinsing thoroughly with clean water. It is the rinsing process which removes the dirt so the use of clean water is essential.

Mechanical Floor Cleaning

When cleaning large floor areas or areas of textured floor tiles mechanical scrubbing machines can be used – although they should not be used at over 450rpm. Rotary scrubbing machines fall into 3 categories, Rotary Action, Contra-Rotating and Cylindrical, and choice of brush is important on all three. Union brushes are suitable for light washing and scrubbing whereas Polypropylene brushes are more suitable when dirt deposits are especially heavy. The cleaning solution should be allowed to remain in contact with the dirt for 3 to 15 minutes after which a secondary scrubbing action and clean mop or suction should be undertaken to remove the dirt and solution.

High Pressure Floor Cleaning

This is not often required with modern porcelain floor tiles. While the process will not damage the tiles, care must be taken to avoid erosion of the grouting medium. It is important to ensure that the water beam is not allowed to concentrate on the joints but is moved side to side in a continuous flowing movement avoiding joints wherever possible. Water containing abrasives or steam cleaners must NEVER be used on any ceramic tiles.

Periodic Deep Cleaning

Occasionally foreign matter may cause surface marks on tiles. If the surface mark cannot be removed with the normal cleaning procedures detailed above, other cleaning materials should be considered. It is advisable to try a small inconspicuous area first.

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Important information

During the manufacture of all ceramic, vitrified and porcelain tiles, some variation in shade or pattern can occur. Before fixing tiles, several cartons should be opened, and the contents mixed, to ensure that the size, shade, colour and patterning are acceptable. The tiles illustrated in this brochure are quality products and conform to the physical properties listed above.

- For specific suitability and fit-for-purpose details, contact the 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 brochure.
- In the interest of progress, Johnson Tiles reserves the right to change specifications and availability without prior notice.
- Nothing in these statement’s does, or will affect the statutory rights of the consumer.

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