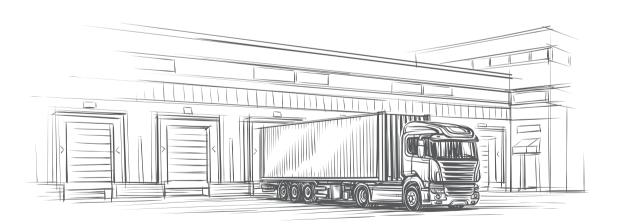
# STOCKED COLLECTIONS

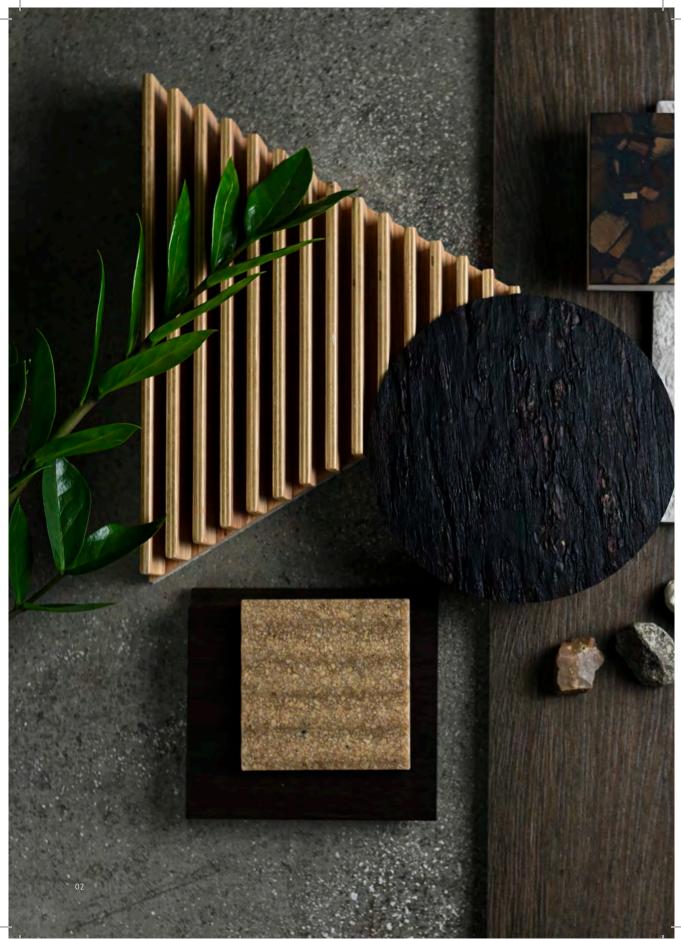
Let's Work together.



STOCKED IN THE UK | NEXT-DAY DELIVERY | PRICES HELD - JAN'23

f **y** ⊙ P in **D** www.johnson-tiles.com







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# STOCKED PRODUCT COLLECTIONS...

This specially curated selection of ceramic and porcelain wall and floor tile products are all stocked, right here in the UK, and are available for next day delivery. All prices will be held until the I<sup>st</sup> January 2023.

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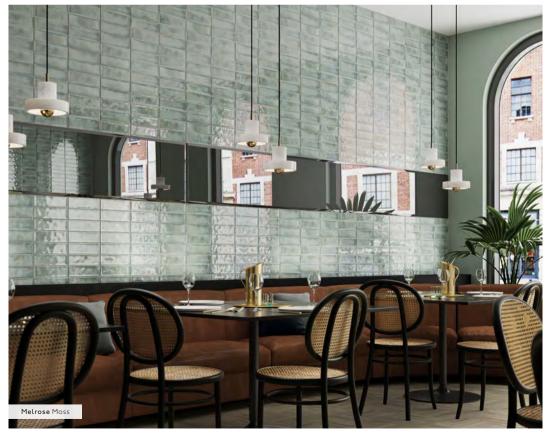
## **WELCOME**

Here at Johnson Tiles we understand that having products in stock and available to order is extremely important. Our Stocked Collections portfolio has been created with these principal requirements in mind.

All featured products are stocked in our warehouse, right here in Stoke-on-Trent and all are available for next-day delivery, with sample tiles also available on demand! We understand time can be of the essence, so you can rest assured we have you covered.

The specially curated selection of products showcased in this brochure cover a wide choice of styles, shapes, size formats and suitabilities to suit all your project needs.

We know pricing is also an important factor when selecting the right products for your project, that is why we have ensured that the prices for all of the tiles featured in this brochure will be held until the Ist January 2023. Whatever your budget, project size or schedule we're confident we have what you're looking for!







Johnson Tiles - Stocked Products Brochure [Aug22].indd 6

## MADE IN THE UK. SINCE 1901

Johnson Tiles is the UK's only large-scale manufacturer of ceramic tiles. Since 1901 we've been designing and making the finest selection of ceramic wall tiles, right here in the UK. Our growing portfolio of sustainable, British-made products is strengthened by complementary collections of porcelain and ceramic floor and wall tiles.

Our comprehensive portfolio of products has been used for interior and exterior design projects in homes, schools, universities, hotels, hospitals, commercial developments and leisure facilities across the world.

Being a celebrated UK heritage brand is part of our culture, but the Johnson Tiles success story is built on innovation, With 120 years' experience, we are consistently raising the bar in terms of our inspirational design and manufacturing techniques, quality of service and sustainability leadership.



Based In The Potteries' Heartland



Finest Quality Products



Unrivalled Investment In Stock



Design & Product Craft Expertise



First Class Customer Experience



Passionate & Positive People

Note: For further information, simply visit the Our Company section on our website - www.johnson-tiles.com



## WE MAKE IT. SUSTAINABLE

Proudly operating from our home in the Potteries' heartland of Stoke-on-Trent, our commitment to sustainable manufacturing has seen us develop over 50 eco-friendly ranges inspiring and enhancing projects around the world. It's not just what we make, but how we make it. We've dedicated over two decades to finding better ways to operate across every aspect of our business by cutting energy consumption, diverting waste and reducing carbon emissions and we are now the only UK tile manufacturer to hold an EPD certificate! Our Environmental Product Declaration transparently communicates the environmental performance and impact of our tiles over their lifetime, and it signals our commitment to measuring the environmental impacts of our products and the strive to discover ways to further reduce this.

We have also carefully calibrated our ceramic recipe to ensure that every single tile that we manufacture contains up to 20% recycled ceramic material as part of our pioneering ceramic waste recycling scheme. Our latest initiative has seen us eradicate single-use plastics from the packaging solution of our UK-manufactured ceramics, making us the first tile manufacturer to do so. The packaging components of our pallets are: 100% recycled and recyclable cardboard, carbon-neutral 100% recyclable plant-based sugar cane wrap and re-used/re-usable wooden pallets. We're constantly improving, making sure our setup isn't just world-class but also making a difference on the issues that impact us all, at a local and global level.



Environmental Product Declaration



Single-Use Plastics Removal



Up To 20% Recycled Content



100% Recycled Packaging



Energy & Water Recycling

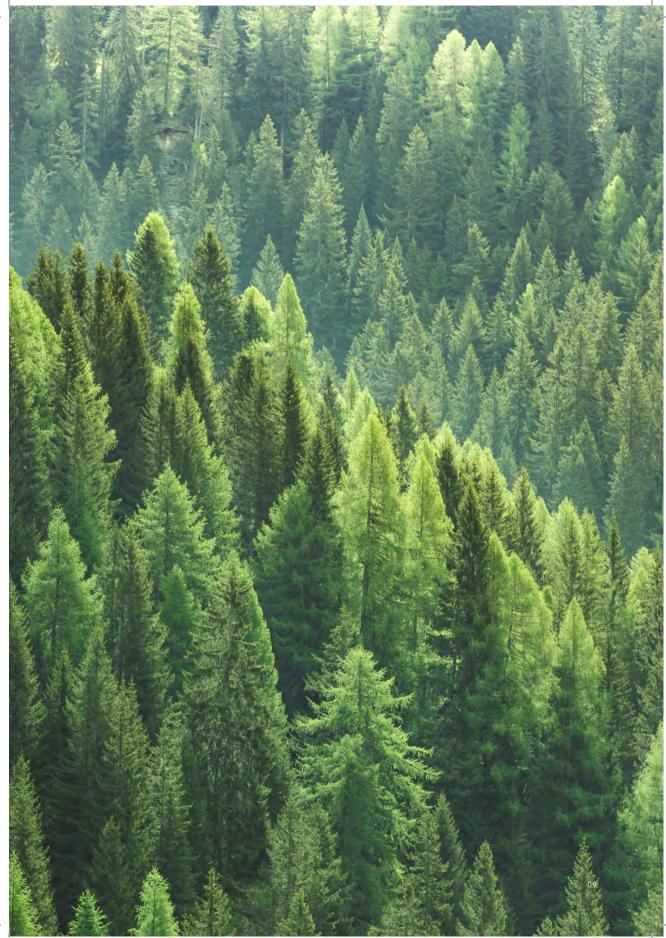


Reduction In Carbon Emissions

Note: For further information, simply visit the Sustainability section on our website - www.johnson-tiles.com



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## FIRST CLASS SERVICE

We don't just design and manufacture amazing products, we deliver excellent services too. As part of a comprehensive suite of services, we offer free CAD for all contract tiling applications. Our in-house team uses the latest digital software to create bespoke fixing and installation layouts. A free Bill of Quantity service is also offered in conjunction with the CAD service. The quantities can be extracted from drawings sent to us, or from drawings created in-house. Our Technical Support team is also on-hand to help – we can provide detailed reports in the M40 format. This gives a comprehensive outline of product suitability, adhesive and grout selection, background suitability and preparation guidance.

We understand that to specify for a project, a tangible, tactile experience is key. That's why we provide a next-day sample delivery service completely free of charge. Check out a selection of our products in 100x100mm chips or full-size pieces to make fully informed materials choices. We also offer various free-of-charge sample tile support materials, including sample wallets, to showcase a specific product selection clearly and easily, customised across collections and suitability. In conjunction with this, our Material Lab design resource studio in London provides a hub for new materials and inspirations. Immerse yourself in a wealth of design-led surfaces, textures, and materials suitable for the built environment and commercial sector.

Once products have been specified, our extensive distribution network can deliver direct to site, creating even more flexibility. Our responsive logistics team can also arrange next-day deliveries for any working day on those occasions where schedules are tight and a fast turn-around is essential. Plus, if you complete your project with Norcros Adhesive products, we'll support you with a 25-year guarantee on tiling and adhesives!

With our extensive list of first-class ancillary services, you can be assured that Johnson Tiles is the right supplier for you.



# **PRODUCT CHOICE**

Our portfolio consists of three product collections: Intro, Select and Absolute and within those collections, we have an inspirational range of stocked tiles in a wide selection of styles, size formats, shapes, finishes and colours.

Navigate your way through our entire selection of stocked wall and floor products, co-ordinating both colour, style and size to create your perfect installation. Echo the characteristics of stone, concrete, marble or wood. Go for bold and striking results with our solid colour ranges. Or opt for understated elegance with our simple white products.

Our stocked product selection offers tiles that are ideal for all wall and floor applications, including options for wet-room and external areas. Whatever the project, however large or small and no matter how demanding the technical challenges, Johnson Tiles is perfectly placed to match your requirements.





## 1901

#### GLAZED CERAMIC | WALL TILES

COLOUR STRUCTURE (SELECT)



Malkin White Rustic Structure



Sherwin Biscuit Rustic Structure



Marsden Blue Rustic Structure



Trent Grey Rustic Structure



Jeffery Moss Rustic Structure



Richards Green Rustic Structure



Campbell Ocean Rustic Structure



Minton Garnet Rustic Structure



Caulden Indigo Rustic Structure



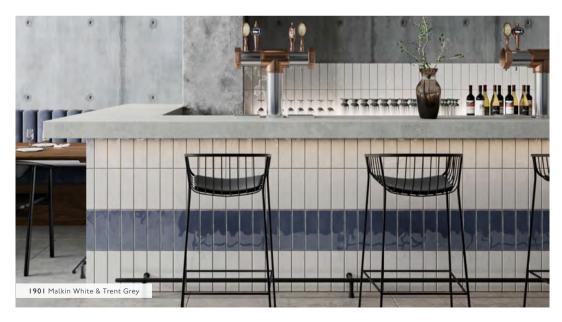
Boote Black

© W Size: 245x75x8mm



W Finish: Gloss

"A proud celebration of our heritage, 1901 pays homage to traditional glaze effects. With a rustic structure on the contemporary slim brick format of 245x75mm, 1901 gives the illusion of beautiful, hand-crafted qualities. The seductive colour palette takes inspiration from the Astral trend, showcasing rich indigo, sumptuous ruby and bottle green, along with the classic tones of white, black and grey. Named for aspects of our history, this collection creates an opulent, luxurious aesthetic."











Key: C Ceramic W Wall Tiles

# **ARCTIC WHITE**

GLAZED CERAMIC | WALL TILES



#### White

© W Sizes: 600x300x10mm / 400x150x10mm W Finishes: Gloss / Satin (600x300mm Only)

"Stylish in its simplicity, Arctic White offers white ceramic wall tiles in both satin and gloss finishes for a cool, contemporary look. Available sizes range from 400x150mm, perfect for a small feature or back-splash, up to 600x300mm for a larger installation."













## ARLO

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

STONE SELECT





Shale

Flint

Sizes: 600x300x10mm / 600x300x10mm Scored

P F W Size: 600x600x10mm

W Finish: Silk

PFW Finish: Matt (PTV4s 36+)

"Exploring natural stone patterning and incorporating glossy print areas, Arlo creates a subtle shimmer effect across two on trend neutral tones of Shale and Flint in 600x300mm. Paired with a simple scored décor option, and co-ordinating flooring options in 600x600mm, create minimalistic settings that echo a modern aesthetic."





















Note: Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

## **ASHLAR**

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

CONCRETE SELECT







Warm Taupe

Weathered White Crafted Grev

© W Sizes: 600x300x10mm / 600x300x10mm Scored / 300x200x8mm

F W Size: 600x600x10mm

W Finish: Textured

PFW Finish: Matt (PTV4s 36+)

"Ashlar showcases a stunning weathered textured effect available in three colours. Weathered White creates an airy bright feel, Warm Taupe has sandy notes perfect for creating a sense of relaxation, and Crafted Grey has a deeper tone, building a sense of warmth and comfort. All three colours offer a beautiful scored decorative option, with a complementary floor tile available to complete the look."



















## **ATRIUM**

#### GLAZED PORCELAIN | FLOOR & WALL TILES

CONCRETE SELECT









Clay

Praline

Pumice

Graphite

P F W Sizes: 600x300x8.5mm / 592x592x10mm

P F W Finishes: Natural (600x300mm Only) / Grip (PTV4s 36+ & PTVTRL 36+)

"Atrium is both simple and strong, with a stormy palette of four colours that deliver room-defining character. With numerous large format sizes available in both a Natural and Grip finish, this range captures the effect of concrete to deliver a modern, industrial look. The Grip finish offers a PTV slip resistance rating of 36+, making Atrium the perfect choice for high-traffic, large open spaces."







Key: P Porcelain W Wall Tiles F Floor Tiles

# **BEVEL BRICK**

GLAZED CERAMIC | WALL TILES

COLOUR INTRO



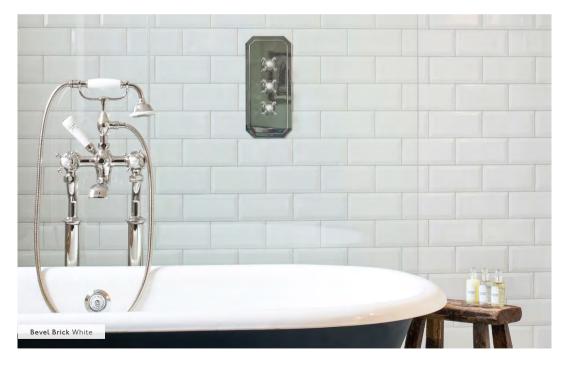


W Size: 200x100x6.5mm



W Finish: Gloss

"Boasting seven high gloss colours, Bevel Brick will bring any interior space to life. From classic neutrals to deep Red and soothing Sage, this collection cascades over a characteristic bevelled edge for depth and dimension. Try fitting Bevel Brick in a herringbone pattern or with colourful grouts for stunning results."







Key: C Ceramic W Wall Tiles

## BIANCO

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

MARBLE SELECT





White Marble

Taupe Marble

■ W Size: 600x300x10mm

F W Size: 600x600x10mm

W Finish: Matt

P F W Finish: Matt

"A modern marble effect range, Bianco is stunning in its simplicity. With two colour-ways of Taupe and White offering natural marble veining, Bianco is ideal for calming, opulent interiors. Wall options are available in 600x300mm with complementary flooring options featured in 600x600mm."











Key: C Ceramic P Porcelain W Wall Tiles F Floor Tiles









# **CITY TOUCHSTONE**

GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

STONE STRUCTURE (INTRO)













White

Beige

Mid Grey Splitface Structure

Grey Mix Splitface Structure

Note: Splitface Structure only available in 360x275x8mm Ceramic Wall Tiles.

P F W Sizes: 600x600x9.3mm / 450x450x8.2mm

W Finish: Matt

P F W Finish: Matt

"This range echoes the characteristics of stone with a classic colour offering of White, Beige, Light Grey, and Mid Grey. Co-ordinating floor options are available in two different sizes to complete a fuller design look. Experiment by pairing the field tiles with the splitface structured options where variation comes to the fore, with base tones of Beige or Grey finished with a ridged texture."























# COUNTY

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

STONE STRUCTURE (INTRO)









Old Stone

Rustic Taupe

Natural Grey

Wave Structure

Classic White

Old Stone

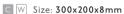


Rustic Taupe

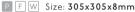
Natural Grey

Note: Wave Structure only available in 300x200x8mm Ceramic Wall Tiles.











☐ W Finish: Matt



Wave Structure

P F W Finish: Matt

"County presents a neutral colour palette including Classic White and Rustic Taupe. With elements of natural stone, County showcases a weathered look to create natural variation for a room full of character. Wave décor options are also available in Natural Grey, Old Stone, and Rustic Taupe to complement the field tiles."























# **CRISTAL**

GLAZED CERAMIC | WALL TILES

WHITE STRUCTURE (INTRO)







White

White Bumpy Structure

Cream Bumpy Structure

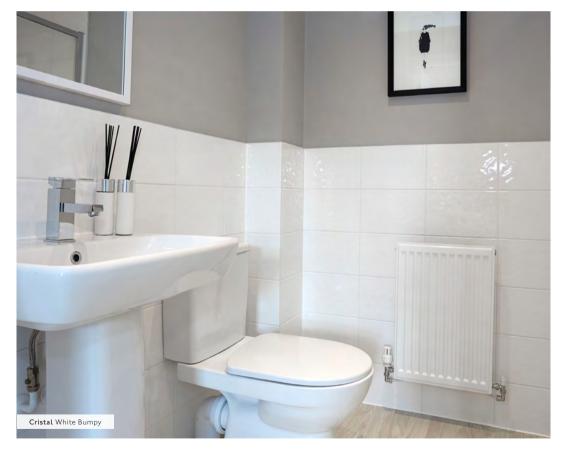
Note: 250x200x5.5mm size format only available in White Bumpy Structure.

Size: 250x200x5.5mm / 150x150x5.5mm



W Finish: Gloss

"Cristal offers a simple textured tile in both White and Cream with a dappled effect perfect for airy, light room installations. A White field tile is also available, perfect on its own, or combined with the co-ordinating borders and insets to add a drop of colour."





Key: C Ceramic W Wall Tiles

## DARLINGTON

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

MARBLE PATTERN (SELECT)









Pearl

Stone

Pewter

Patchwork Pattern Décor

Note: Patchwork Décor only available in 600x300x10mm Ceramic Wall Tiles.

Sizes: 600x300x10mm / 600x300x10mm Scored



P F W Size: 600x600x9.5mm

W Finish: Gloss



P F W Finish: Matt (PTV4s 36+ & PTVTRL 36+)

 $\hbox{``Taking inspiration from marbles with a contemporary twist, Darlington captures classic vein detail.}$ With an on-trend colour palette ranging from light Pearl to deeper Pewter, Darlington adds character and interest with each colour also offering a once scored decorative option. Try introducing the patchwork décor designs for an eclectic aesthetic with modern vibes."





















**Note:** Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

# **DRIFT**

GLAZED CERAMIC | WALL TILES

WOOD STRUCTURE INTRO







Spring Frost Splitface Structure



Summer Shadows Splitface Structure

W Size: 300x200x8mm



W Finish: Matt

"Drift provides an earthy palette that emulates colours associated with nature. The matt structured finish further implies a nod towards our natural surroundings, with inspiration taken from the subtlety of wood, windswept reeds and rushes. Spring Frost showcases a cooler tone, whilst Autumn Reeds and Summer Shadows add warmth. Try colours on their own or combine to create zoned areas."















# **EMINENCE**

GLAZED CERAMIC | WALL TILES

WHITE STRUCTURE SELECT









White

White Linear Structure

White Reed Structure

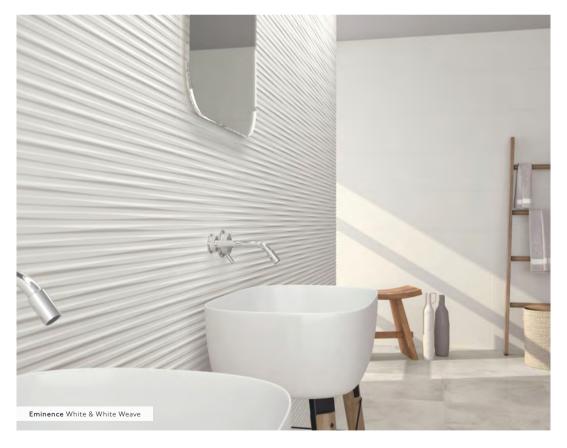
White Weave Structure

W Size: 600x300x9mm



C W Finishes: Gloss / Matt

"Cool and calm, Eminence is a stunningly simple range of ceramic rectified wall tiles. Available in gloss and matt finishes, Eminence is perfect for adding a sense of serenity and elegance to busy spaces. Structured options Linear, Weave, and Reed can be used to complement the pure field tiles, or as the main feature."











Key: C Ceramic W Wall Tiles

## **ESSENTIAL**

GLAZED PORCELAIN | FLOOR & WALL TILES

CONCRETE SELECT





lvory

Silver

P F W Sizes: 600x300x8.7mm / 590x590x9.5mm P F W Finish: Natural (PTV4s 36+)



"Essential is a porcelain floor and wall tile collection featuring six mid to large format sizes. This realistic stone effect range features organic movement layered across an architectural colour palette of five stunning shades for understated simplicity. Neutral tones combine with a surface effect inspired by the trend for urban living to provide a contemporary finish, ideal for modern interiors."





Key: P Porcelain W Wall Tiles F Floor Tiles

## **GLADEMOOR**

GLAZED PORCELAIN | FLOOR & WALL TILES







Bone

Flint

PFW Sizes: 600x600x10.5mm / 600x300x9.2mm PFW Finish: Natural



"Replicating natural materials, Glademoor takes direction from the interiors trend for earth tones with five colours of Stone, Sand, Flint, Coal, and Bone. Glademoor also features two mixed décor options which combine hues from across the colour palette to create a stylish focal point for added detail and surface interest, whilst the weave structured design delivers a stunning statement to combine seamlessly with the field tiles. The Grip and Grip+ finishes both provide a PTV slip resistance rating of 36+ to add to the versatility of this range."









Key: P Porcelain W Wall Tiles F Floor Tiles

**Note:** Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

## GLIDE

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

MARBLE STRUCTURE SELECT





White Carrara

White Carrara

Note: Linear Structure only available in 600x300x9mm Ceramic Wall Tiles.

© W Size: 600x300x9mm

P F W Size: 600x600x9.4mm

W Finishes: Gloss / Matt

P F W Finishes: Matt / Polished

"With the calming, neutral tone of pure white threaded with the gentle veining of carrara marble, Glide proves that simplicity can still make a big impact. Understated and elegant, Glide showcases calm serenity with a timeless finish, expanding the limits of any space with an airy, light, bright feel. With the linear structured décor options providing textural definition, this range delivers clean, sleek looks, bringing sophistication and style to any setting."









Key: C Ceramic P Porcelain W Wall Tiles F Floor Tiles



## **HAVEN**

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

STONE STRUCTURE SELECT



Sand



Sand Rockfall Structure



Sand



Pebble



Pebble Rockfall Structure



Pebble



Slate



Slate Rockfall Structure



Slate Sandbar Structure





☐ W Sizes: 600x300x8mm / 600x300x8mm Scored



PFW Size: 600x600x10mm



W Finish: Matt

P F W Finish: Matt (PTV4s 36+)

"A beautiful range of stone effect tiles that faithfully replicate genuine cross-cut stone with mineral veins and layered detail, Haven is ideal for those wanting to inject some nature-inspired elegance into their interiors. With three neutral colour options of Sand, Pebble, and Slate, Haven also features a contemporary scored tile providing a mixed format feature. Add extra interest to your walls with the Sandbar structure finish inspired by natural sand ridges found on the beach."

















Specification and floor value information can also be found on page 52.



Note: Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com

## HUDSON

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

STONE STRUCTURE SELECT



Albany White



Albany White Rockfall Structure



Albany White



New Jersey



New Jersey Rockfall Structure



New Jersey



Manhattan



Manhattan Rockfall Structure



Manhattan Sandbar Structure



Brooklyn



Note: Rockfall & Sandbar Structures only available in 600x300x10mm Ceramic Wall Tiles.





P F W Sizes: 600x600x10.5mm / 300x300x8.3mm





P F W Finish: Natural (PTV4s 36+)

"Hudson's stone effect tiles are complemented by a colour palette that includes the warm sandy tones of New Jersey to the deep, moodier greys of Brooklyn, each evoking a sense of the urban city. Structure comes to the fore with this range, with both Rockfall and Sandbar available in a Matt finish. Rockfall delivers a riven texture, Sandbar features a fragmented linear effect and Natural achieves a weathered, distressed look. Size options are available from 300x300mm up to 600x600mm."



















Key: C Ceramic P Porcelain W Wall Tiles F Floor Tiles

# **IMPERIAL**

#### UN-GLAZED PORCELAIN | FLOOR & WALL TILES

STONE (SELECT)











lvory

Sahara

Pumice

Pewter

Charcoal



P F W Sizes (Nat): 600x600x10mm / 600x300x10mm



P F W Sizes (Pol): 600x600x9.5mm / 600x300x9.5mm



P F W Finishes: Natural / Polished

"Imperial scores highly for both aesthetic and practical considerations with two contemporary finishes of Natural and Polished. This range features two large format sizes of 600x300mm and 600x600mm across an architectural colour palette of five shades, allowing designers to create elegant, functional spaces. Fully stocked in the UK for seamless installation, this un-glazed porcelain floor and wall tile collection creates a flawless look with a realistic flecked appearance that imitates natural stone."









Key: P Porcelain W Wall Tiles F Floor Tiles

## **KERASTAR**

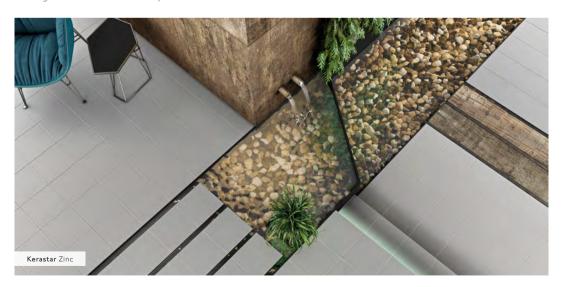
UN-GLAZED PORCELAIN | FLOOR & WALL TILES

COLOUR SPECKLE STRUCTURE INTRO



P F W Size: 300x300x8.3mm F W Finishes: Natural (PTV4s 36+) / Textured (PTV4s 36+ & PTVTRL 36+)

"Developed specifically for the commercial interiors market, Kerastar features an impressive 43 colours, spanning the entire spectrum. Choose from architecturally inspired tones of Linen and Ivory or try bolder shades of Mustard and Siena for an injection of primary colour. Or, mix and match for a design scheme that showcases creative freedom. This un-glazed porcelain collection is versatile in its offering, with II sizes from dynamic small-formats of 100x100mm and 150x75mm up to minimalistic large-formats of 890x890mm and 1190x600mm, along with stylish Hexagons for added visual interest. Combine commercial elegance and high slip resistance with the Textured Rocktop, Triface and Suretread Hexagon structures, all achieving a PTV slip resistance rating of 36+ in both dry and wet areas. Fittings within this range include battiscopa and cove skirtings along with steptreads, making Kerastar the ideal flooring solution for commercial specifications."









Key: P Porcelain W Wall Tiles F Floor Tiles

## **KIELDER**

#### GLAZED PORCELAIN | FLOOR & WALL TILES











Autumn Dawn

**Evening Glow** 

Frosty Oak

Midnight Forest



PFW Size: I140x200x10mm



P F W Finish: Natural

"Kielder takes inspiration from the natural world to replicate the beauty of the forest with four options which explore the interplay between light and our natural environment. Autumn Dawn is characteristic of the first blush of light across the natural movement of the wood, whilst Evening Glow evokes the tones of a warm sunset. Frosty Oak features cooler notes reminiscent of a crisp winter morning, whilst Midnight Forest works with darker shades to showcase deep night."









## **MALVERN**

#### GLAZED PORCELAIN | FLOOR & WALL TILES











Birch

Oak

Chestnut

Ash



P F W Size: 900x225x8.5mm



P F W Finish: Natural

"Inspired by biophilic design and creating interiors that connect us to outdoor spaces, Malvern pairs realistic wood detailing with shades influenced by our natural surroundings for a fresh aesthetic with modern vibes. This porcelain range is available in a classic elongated plank format of 900x225mm in a single Natural finish with a complementary round-top skirting for the complete tiling solution."











## MARCO

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

CONCRETE STRUCTURE (SELECT)











Clay

Clay Rockfall Structure

Clay Dimensions Structure

Putty

Putty Rockfall Structure

Putty Dimensions Structure





Cement



Cement



Note: Rockfall & Dimensions Structures only available in 600x300x8mm Ceramic Wall Tiles.

Cement

Rockfall Structure









PFW Finish: Matt (PTV4s 36+)

"Introduce texture into your interiors with a micro square design and complementary field tiles featuring a softly textured surface. Available in Clay, Putty and Cement, the beautiful décor options are designed to highlight a feature wall with the intricate square shapes creating texture and depth. Combine the décor with the coordinating scored tiles available in this range for a complete contemporary look."





















Key: C Ceramic P Porcelain W Wall Tiles F Floor Tiles

# **MELFORD MARBLE**

GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

MARBLE (INTRO)







Light Grey

Dark Grey

Light & Dark Grey Hexagon Décor

Note: Light & Dark Grey Hexagon Décor only available in 600x300x8mm Ceramic Wall Tiles.

Sizes: 600x300x10mm / 300x200x8mm



F W Size: 600x600x10mm

W Finish: Matt

PFW Finish: Matt (PTV4s 36+)

"Inspired by the beauty and irregularity of natural marble, Melford Marble is a classic range of ceramic wall and porcelain floor tiles. Available in a matt finish, Melford Marble includes two striking colours of Light Grey and Dark Grey featuring distinctive veining."





















# **MELROSE**

## GLAZED CERAMIC | WALL TILES

COLOUR STRUCTURE SELECT







Stone Rustic Structure



Moss Rustic Structure



Pewter Rustic Structure



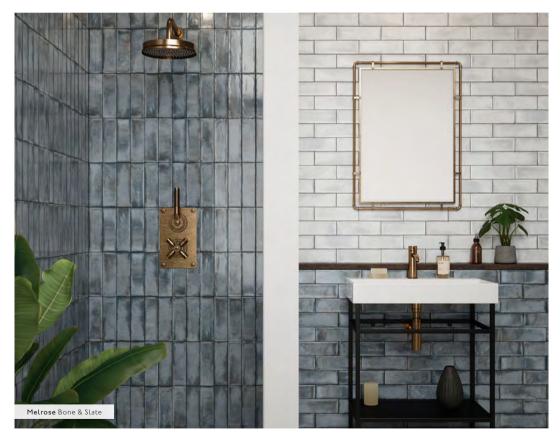
Slate Rustic Structure

W Size: 245x75x8mm



W Finish: Gloss

"Manufactured in the UK, Melrose features a rustic structure combined with a glossy glaze to give a hand-crafted aesthetic. With natural variation in colour and texture suitable for any interior space, Melrose offers five neutral tones of Bone, Pewter, Slate, Moss, and Stone. Available in an on-trend slim format of 245x75mm, Melrose provides a modern look ideal for any interior space."











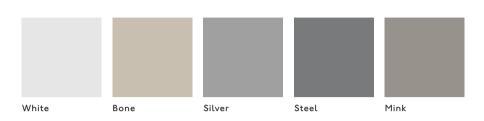




# **METHOD**

## PORCELAIN | FLOOR & WALL TILES

COLOUR SELECT



P F W Sizes: 600x600x9.5mm / 600x300x9.5mm

P F W Finish: Natural (PTV4s 36+)

"This timeless range lends itself to a minimalistic setting, with clean lines and a modern colour palette providing an architectural aesthetic, ideal for commercial interiors. Method is comprised of five calming and simplistic tones with a square mosaic available to easily create a focal point within the space. All colours in the Natural finish in 600x300mm and 600x600mm are stocked in the UK for seamless installation."









Key: P Porcelain W Wall Tiles F Floor Tiles

# **MINERALS**

## PORCELAIN | FLOOR & WALL TILES

STONE (ABSOLUTE)





"Minerals offers an on-trend colour palette of seven neutral shades from Chalk to Charcoal, showcasing an elegant stone effect, perfect for tranquil spaces. Varied finishes include Natural, Bush Hammered, Grip and 2cm Grip+ to deliver on performance. With a wide selection of 10 sizes available, ranging from strips of 600x50mm all the way up to 2700x1200mm, Minerals is versatile in its applications, with co-ordinating mosaics and skirtings also featured."









Key: P Porcelain W Wall Tiles F Floor Tiles

**Note:** Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

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# **MONOCHROME**

GLAZED CERAMIC & PORCELAIN | WALL & FLOOR TILES

White

COLOUR PATTERN SELECT





Grey



Black



Monochrome Inset



Monochrome Border Geometric Border

Note: Monochrome Border only available in 200x100x6.5mm Ceramic Wall Tiles.

W Size: 200x100x6.5mm

P F W Size: 150x150x8mm

W Finish: Gloss

P F W Finish: Natural (PTV4s 36+)

"A simple collection of ceramic and porcelain wall and floor tiles, featuring a palette of three neutral colours. The Décor option offers a geometric pattern which can be paired with the Border tiles or corresponding field products to create dynamic, lively interiors."











Key: C Ceramic P Porcelain W Wall Tiles F Floor Tiles







Note: Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

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# **NEWARK**

## GLAZED PORCELAIN | FLOOR & WALL TILES

STONE (ABSOLUTE)







Bone

Ivory

Grey





"Newark features glazed ceramic and porcelain wall and floor tiles with a harmonious colour palette of three calming shades: Bone, Ivory, and Grey. Add dimension and impact with complementary decorative rhombus structures that provide a tactile feel and 3D surface interest. This stylish large format range also offers two skirting options."









Key: P Porcelain W Wall Tiles F Floor Tiles

# OSLO

### GLAZED PORCELAIN | FLOOR & WALL TILES

WOOD (ABSOLUTE)









Raw

Weathered White Aged Grey

Carbon Grey

P F W Size: 1200x200x10.5mm



F W Finish: Natural (PTV4s 36+) / Grip (PTV4s 36+ & PTVTRL 36+)

"Showcasing a bleached, aged look, this wood effect range features four colours - Raw, Weathered White, Aged Grey, and Carbon Grey. Natural and Grip finishes are available in this range, with the Grip achieving a PTV slip resistance rating of 36+. Two large format plank options of I200x200mm and 750x150mm are featured, perfect for opening out spaces and adding a nature-inspired aesthetic to any design."









Key: P Porcelain W Wall Tiles F Floor Tiles

# **PRISMATICS**

GLAZED CERAMIC | WALL TILES

COLOUR SELECT





W Sizes: 200x100x6.5mm / 150x150x6.5mm



W Finishes: Gloss / Satin (White Only)

"With an unrivalled offering, our Prismatics collection is perfect for colourful installations with over 60 gloss and satin shades available, spanning the entire colour spectrum. Ranging from vibrant, eye-catching colours, to neutral, warmer shades, Prismatics has it all. With colour graduated tonal profiles, it is easier for specifiers to identify complementary shades quickly and easily. Co-ordinated fittings are also available in selected colours to provide a complete finished look."















# REFINE

## PORCELAIN | FLOOR & WALL TILES

STONE (ABSOLUTE)









Dune

Pewter

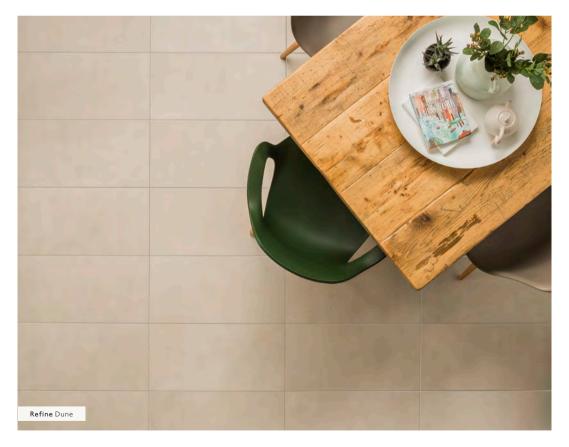
Lavastone

Basalt

PFW Sizes: 600x600x9mm / 600x300x9mm PFW Finish: Natural



"Taking inspiration from the natural characteristics of stone, Refine offers four colours from the warm, sandy undertones of Dune to the deep, gunmetal grey of Basalt. Natural and Grip finishes are available in all four colour-ways, with the Grip providing a PTV 36+ slip resistance rating, ideal for commercial installations. A 2cm Grip+ option is also featured in Dune and Pewter in 900x900mm and I200xI200mm, perfect for extending tiling outdoors. Experiment with nine different size options and four décor mosaics."









Key: P Porcelain W Wall Tiles F Floor Tiles

# **RIVERSTONE**

GLAZED PORCELAIN | FLOOR & WALL TILES

STONE STRUCTURE SELECT







Beige Rock Structure



Light Grey Rock Structure



Black Rock Structure



Rock Structure

P F W Size: 600x300x8.5mm



P F W Finish: Natural (PTV4s 36+)

"Riverstone exhibits a stone effect look with a stunning structured finish that creates a realistic stone texture. Available in four elegant, neutral shades of White, Beige, Light Grey and Black, Riverstone offers sizes from 600x300mm to 900x450mm for both wall and floor applications. This range offers the complete package with co-ordinating mosaics and skirtings available in all four colours to elevate the look to the next level."







Key: P Porcelain W Wall Tiles F Floor Tiles

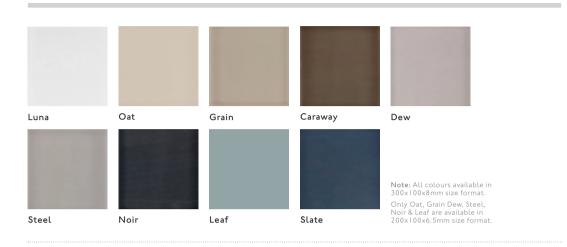
**Note:** Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

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# SAVOY

### GLAZED CERAMIC | WALL TILES

COLOUR SELECT



Sizes: 300x100x8mm / 200x100x6.5mm

C W Finish: Gloss

"A stylish range of ceramic wall tiles designed with a contemporary colour palette and two slim-format sizes. Exploring variation, Savoy Wall delivers stunning depth of colour across fifteen tones from the muted Luna to the vibrant Marine. With a gloss décor option available in every colour and a selection of co-ordinating fittings, Savoy Wall is a versatile, modern collection that's sure to be a favourite."













Key: C Ceramic W Wall Tiles

# **SOUTH BANK**

GLAZED CERAMIC | WALL TILES

COLOUR SELECT



W Size: 245x75x8mm

C W Finish: Gloss

"South Bank is a sleek range of UK-manufactured ceramic wall tiles, available in eight on-trend colours, and a new slim size of 245x75mm. South Bank offers a transparent gloss finish possessing depth and variation of contemporary colour. The slim format allows for the creation of truly unique lay patterns to maximise the creative possibilities within any interior. Featuring the signature colours of Azure, Blossom and Dusk, which are underpinned by a complementary, neutral palette ranging from the subtle, calming Snow to the warmer hue of Pearl, this range allows for the creation of diverse and harmonious colour combinations."















Note: Size and finish availability may vary by colour. For the most up-to-date availability and technical information simply scan the QR code shown or visit our website - www.johnson-tiles.com Specification and floor value information can also be found on page 52.

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# **VERSO**

### GLAZED PORCELAIN | FLOOR & WALL TILES

COLOUR (ABSOLUTE)



P F W Size: 370x92x9mm

P F W Finish: Natural (PTV4s 36+)

"With distinctive colours like Burnt Orange and Rose, Verso is not afraid to be bold. This is an impressive range that makes a striking statement in any shade. Plus, with all colour-ways achieving a PTV 36+ slip resistance rating, Verso has the performance credentials to back up its powerful colour palette."











# LET'S WORK TOGETHER

We've been making beautifully designed, high-quality ceramic tiles for over 120 years, alongside a selection of complementary sourced collections of porcelain floor and wall tiles. Throughout our extensive history, we've continuously invested time, energy, and resources into excelling as market leaders.

Outstanding product design is only part of what makes us the right partner for every project developer. We are dedicated to helping every one of our customers get the very best from our tiles, from carrying unrivalled levels of stock, to ensuring that we exceed client expectations every time. By providing high-quality sample tiles and support materials, we enable your clients to easily visualise their final scheme.

We underpin this with our first-class nationwide distribution network and our award-winning technical support services, offering support across every aspect of tile usage and application. Let's work together.











# **TECHNICAL INFORMATION**

Detailed technical information on Specification, Floor Values, Physical Properties, Cleaning and Maintenance, Installation Advice, Accessibility and Support, Pendulum Test Values (4S and TRL), R Values and Colour Shade Variation.

### **Specification**

| Range           | Finish             | Wall Suitability    | Floor Suitability   | Wet Barefoot | CSV | Material |
|-----------------|--------------------|---------------------|---------------------|--------------|-----|----------|
| 1901            | Gloss              | Internal Only       | -                   | -            | VI  | BIII     |
| Arctic White    | Gloss & Satin      | Internal Only       | -                   | -            | VI  | BIII     |
| Arlo            | Silk               | Internal Only       | -                   | -            | V2  | BIII     |
| Arto            | Matt               | Internal & External | Internal Only       | -            | V2  | Bla      |
| Ashlar          | Textured           | Internal Only       | -                   | -            | V3  | BIII     |
| ASIItal         | Matt               | Internal & External | Internal Only       | -            | V3  | Bla      |
| Atrium          | Natural            | Internal & External | Internal Only       | -            | V3  | Bla      |
| Atridili        | Grip               | Internal & External | Internal & External | Yes          | V3  | Bla      |
| Bevel Brick     | Gloss              | Internal Only       | -                   | -            | VI  | BIII     |
| Bianco          | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| ыапсо           | Matt               | Internal & External | Internal Only       | -            | V2  | Bla      |
| C: T            | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| City Touchstone | Matt               | Internal & External | Internal Only       | -            | V2  | Bla      |
|                 | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| County          | Matt               | Internal & External | Internal Only       | -            | V2  | Bla      |
| Cristal         | Gloss              | Internal Only       | -                   | -            | VI  | BIII     |
| 5 11 .          | Gloss              | Internal Only       | -                   | -            | V2  | BIII     |
| Darlington      | Matt               | Internal & External | Internal & External | Yes          | V2  | Bla      |
| Drift           | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| Eminence        | Gloss & Matt       | Internal Only       | -                   | -            | VI  | BIII     |
| Essential       | Natural            | Internal & External | Internal Only       | -            | V3  | Bla      |
| Glademoor       | Natural            | Internal & External | Internal Only       | -            | V3  | Bla      |
| CIT             | Matt & Gloss       | Internal Only       | -                   | -            | VI  | BIII     |
| Glide           | Matt & Polished    | Internal & External | Internal Only       | -            | VI  | Bla      |
| Union           | Matt               | Internal Only       | -                   | -            | V3  | BIII     |
| Haven           | Matt               | Internal & External | Internal Only       | -            | V3  | Bla      |
| Hudson          | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| Hudson          | Natural            | Internal & External | Internal Only       | -            | V2  | Bla      |
| Imperial        | Natural & Polished | Internal & External | Internal Only       | -            | V2  | Bla      |
| Kerastar        | Natural            | Internal & External | Internal Only       | -            | VI  | Bla      |
| rerastar        | Textured           | Internal & External | Internal & External | Yes          | VI  | Bla      |
| Kielder         | Natural            | Internal & External | Internal Only       | -            | V2  | Bla      |
| Malvern         | Natural            | Internal & External | Internal Only       | -            | V2  | Bla      |
| Marco           | Matt               | Internal Only       | -                   | -            | V2  | BIII     |
| нагсо           | Matt               | Internal & External | Internal Only       | -            | V2  | Bla      |
|                 |                    |                     |                     |              |     |          |

| Range          | Finish        | Wall Suitability    | Floor Suitability   | Wet Barefoot | CSV | Material |
|----------------|---------------|---------------------|---------------------|--------------|-----|----------|
| Melford Marble | Matt          | Internal Only       | -                   | -            | V2  | BIII     |
| Metrord Marble | Matt          | Internal & External | Internal Only       | -            | V2  | Bla      |
| Melrose        | Gloss         | Internal Only       | -                   | -            | V3  | BIII     |
| Method         | Natural       | Internal & External | Internal Only       | -            | V2  | Bla      |
| Minerals       | Natural       | Internal & External | Internal Only       | -            | V2  | Bla      |
| Minerals       | Grip          | Internal & External | Internal & External | Yes          | V2  | Bla      |
| Monochrome     | Gloss         | Internal Only       | -                   | -            | VI  | BIII     |
| Monochrome     | Natural       | Internal & External | Internal Only       | -            | VI  | Bla      |
| Newark         | Natural       | Internal & External | Internal Only       | -            | V2  | Bla      |
| Oslo           | Natural       | Internal & External | Internal Only       | -            | V3  | Bla      |
| Osto           | Grip          | Internal & External | Internal & External | Yes          | V3  | Bla      |
| Prismatics     | Gloss & Satin | Internal Only       | -                   | -            | VI  | BIII     |
| Refine         | Natural       | Internal & External | Internal Only       | -            | V2  | Bla      |
| Riverstone     | Natural       | Internal & External | Internal Only       | -            | V3  | Bla      |
| Savoy          | Gloss         | Internal Only       | -                   | -            | V3  | BIII     |
| South Bank     | Gloss         | Internal Only       | -                   | -            | V3  | BIII     |
| Verso          | Natural       | Internal & External | Internal Only       | -            | V3  | Bla      |

### Floor Values

| Range           | Finish           | Colour            | PTV (4S)            | PTV (TRL) | R Value |
|-----------------|------------------|-------------------|---------------------|-----------|---------|
| Arlo            | Matt             | All Colours Shown | Dry 36+ Wet 36+     | -         | -       |
| Ashlar          | Matt             | All Colours Shown | Dry 36+ Wet 36+     | -         | _       |
| Asircai         | Natural          | All Colours Shown | Dry 36+ Wet 25 - 35 | _         | R9      |
| Atrium          | Grip             | All Colours Shown | Dry 36+ Wet 36+     | Wet 36+   | RII     |
| D.              |                  | All Colours Shown | ,                   |           |         |
| Bianco          | Matt             |                   | Dry 36+ Wet 25 - 35 | -         | -       |
| City Touchstone | Matt             | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | -       |
| County          | Matt             | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | -       |
| Darlington      | Matt             | All Colours Shown | Dry 36+ Wet 36+     | Wet 36+   | -       |
| Essential       | Natural          | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| Glademoor       | Natural          | All Colours Shown | Dry 36+ Wet 0 - 24  | -         | -       |
| CIT             | Matt             | All Colours Shown | Dry 36+ Wet 0 - 24  | -         | -       |
| Glide           | Polished         | All Colours Shown | Dry 36+ Wet 0 - 24  | _         | -       |
| Haven           | Matt             | All Colours Shown | Dry 36+ Wet 36+     | -         | -       |
| Hudson          | Natural          | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| lasa saial      | Natural          | All Colours Shown | Dry 36+ Wet 0 - 24  | -         | -       |
| Imperial        | Polished         | All Colours Shown | Dry 36+ Wet 0 - 24  | -         | -       |
| Kerastar        | Natural          | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| Kerastar        | Textured Rocktop | All Colours Shown | Dry 36+ Wet 36+     | 36+       | RII     |
| Kielder         | Natural          | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | -       |
| Malvern         | Natural          | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | RIO     |
| Marco           | Matt             | All Colours Shown | Dry 36+ Wet 36+     | -         | -       |
| Melford Marble  | Matt             | All Colours Shown | Dry 36+ Wet 36+     | -         | -       |
| Method          | Natural          | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
|                 |                  |                   |                     |           |         |

| Range      | Finish  | Colour            | PTV (4S)            | PTV (TRL) | R Value |
|------------|---------|-------------------|---------------------|-----------|---------|
| Minerals   | Natural | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | R9      |
| rillerats  | Grip    | All Colours Shown | Dry 36+ Wet 36+     | 36+       | RII     |
| Monochrome | Natural | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| Newark     | Natural | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| Oslo       | Natural | All Colours Shown | Dry 36+ Wet 36+     | -         | RIO     |
| Osto       | Grip    | All Colours Shown | Dry 36+ Wet 36+     | 36+       | RII     |
| Refine     | Natural | All Colours Shown | Dry 36+ Wet 25 - 35 | -         | R9      |
| Riverstone | Natural | Light Grey        | Dry 36+ Wet 25 - 35 | -         | RIO     |
| Riverstone | Natural | All Other Colours | Dry 36+ Wet 36+     | -         | RI0     |
| Verso      | Natural | All Colours Shown | Dry 36+ Wet 36+     | -         | -       |

Note: Due to the manufacturing process of all floor tiles there may be small variations in slip resistance. Given this, please refer to our website for the most up-to-date information. The slip resistance properties of a surface can only be maintained with the implementation of an effective regular cleaning and maintenance regime. The frequency of cleaning should be determined by the property manager based on the potential level of surface contaminants. The need for an additional regular cleaning and maintenance regime is further heightened when tiles are used for external floor and wet barefoot applications. PTV (4S): Pendulum Test Value - Slider 96. PTV (TRL): Pendulum Test Value - Slider 55. R Value (DIN 51130).

### **Physical Properties - Ceramic**

| Test & Standard                          | Requirement      | Test Result | Test & Standard Requirement Test Result                 |
|--|------------------|-------------|---|
| Length / Width<br>EN ISO 10545 - 2       | ± 0.5% ≤ ± 2mm   | Pass        | Modulus of Rupture Min. I5N / mm² Pass                  |
| <b>Thickness</b>                         | ± 10% ≤ ± 0.5mm  | Pass        | Thermal Shock Pass Pass Pass                            |
| Straightness of Side<br>EN ISO 10545 - 2 | ± 0.3% ≤ ± 1.5mm | Pass        | Frost Resistance - Not Suitable                         |
| Rectangularity EN ISO 10545 - 2          | ± 0.5% ≤ ± 2mm   | Pass        | Chemical Resistance Min. Class B Pass EN ISO 10545 - 13 |
| Surface Flatness<br>↑↑ EN ISO 10545 - 2  | ± 0.5% ≤ ± 2mm   | Pass        | Stain Resistance Min. Class 3 Pass                      |
| Water Absorption<br>EN ISO 10545 - 3     | 10% to 20%       | Pass        | Fire Rating - Class A I Non Combustible                 |

## **Physical Properties - Porcelain**

| Test & Standard                          | Requirement      | Test Result | Test & Standard Requirement Test Result                   |
|--|------------------|-------------|---|
| Length / Width<br>EN ISO 10545 - 2       | ± 0.6% ≤ ± 2 mm  | Pass        | Modulus of Rupture Min. 35N / mm² Pass                    |
| <b>Thickness</b> EN ISO 10545 - 2        | ± 5% ≤ ± 0.5mm   | Pass        | Thermal Shock Pass Pass                                   |
| Straightness of Side<br>EN ISO 10545 - 2 | ± 0.5% ≤ ± 1.5mm | Pass        | Frost Resistance EN ISO   0545 -   12 Resistant Resistant |
| Rectangularity EN ISO 10545 - 2          | ± 0.5% ≤ ± 2mm   | Pass        | Chemical Resistance Min. Class B Pass EN ISO 10545 - 13   |
| Surface Flatness<br>►N ISO 10545 - 2     | ± 0.5% ≤ ± 2mm   | Pass        | Stain Resistance EN ISO 10545 - 14 Min. Class 3 Pass      |
| Water Absorption<br>EN ISO 10545 - 3     | ≤ 0.5%           | Pass        | Fire Rating - Class A I FL Non Combustible                |

Note: All Ceramic [BIII] and Porcelain [BIa] products listed in this brochure conform to BS EN 14411.

Please contact our technical advice helpline for physical properties information on any alternative material types shown in this brochure.

### 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 - 2018

Design and installation of internal ceramic, natural stone and mosaic wall tiling in normal conditions.

#### BS5385 Part 2 - 2015

Design and installation of external ceramic, natural stone and mosaic wall tiling in normal conditions.

#### BS5385 Part 3 - 2014

Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions.

#### BS5385 Part 4 - 2015

Design and installation of ceramic and mosaic tiling in specific conditions.

#### BS5385 Part 5 - 2009

Design and installation of terrazzo, natural stone, and agglomerated stone tile and slab flooring.

#### BS8000 Part II - 2011

Workmanship on building sites. Internal and external wall and floor tiling. Ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs and mosaics.

BIII (Ceramic) tiles smaller than 400x300mm require the use of an adhesive with a D I or D2 classification. Larger tiles require an adhesive with C2 classification.

Bla (Porcelain) tiles require the use of a polymer modified adhesive with a classification of C2\* and grouts specifically formulated for the fixing and grouting of porcelain tiles.

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

#### Substrates

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

### Concrete (6 Weeks)

Screed - Non Modified (3 Weeks)
Rendering - Non Modified (2 Weeks)
Gypsum Plastering (4 Weeks)
Brickwork / Blockwork (6 Weeks)

Accuracy of the substrate must be checked to ensure that the guidance given in B\$5385 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 straight-edge, any gap under the straight-edge 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 (Incl. Wall Corners) 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. silicone for walls tiles only or epoxy polysulphide for floor and wall tiles – 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 D I or D2 for ceramic tiles and Class C2 or C1\* for porcelain tiles. Particular adhesive choice will be governed by the type of substrate.

\* Check with the adhesive manufacturer for additional CI product suitability.

Johnson Tiles recommends the use of Norcros Adhesives products - see below:

#### Ceramic Tiles (BIII)

| Substrate            | Product           |
|----------------------|-------------------|
| Concrete             | One Part Flexible |
| Sand / Cement Screed | One Part Flexible |
| Brick / Blockwork    | One Part Flexible |
| Plaster Gypsum       | One Part Flexible |
| Plasterboard         | One Part Flexible |

#### Porcelain Tiles (Bla)

| Substrate            | Product                      |
|----------------------|------------------------------|
| Concrete             | Rapid Porcelain / Flexible   |
| Sand / Cement Screed | Rapid Porcelain / Flexible   |
| Wood Floors          | Rapid Porcelain / Flexible*  |
| Brick / Blockwork    | Rapid Porcelain / Flexible   |
| Plaster Gypsum       | Rapid Porcelain / Flexible   |
| Plasterboard         | Rapid Porcelain / Flexible** |

<sup>\*</sup> Overlay with minimum I5mm WBP / Marine Ply and Prime using Norcros Adhesive Prime and Seal. \*\* Prime using Norcros Adhesive Prime and Seal.

#### Grouts

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

For general internal wall tiling in dry conditions and walls subject to frequent wetting i.e. showers and pool halls, use Norcros Adhesives 4 in 1 Cement Based Grout – classified as CG2.

For walls where hygiene is important i.e. commercial kitchens and hospitals, use Norcros Adhesives Super Epoxy Grout – classified as RG I.

For general floor tiling use Norcros Adhesives 4 in 1 Flexible Wall and Floor Tile Grout – classified as CG2.

For floors subject to frequent wetting i.e. showers and pool halls, use Norcros Adhesives 4 in I Flexible Wall and Floor Tile Grout - classified ad CG2 (hard water areas) or Norcros Adhesives Super Epoxy Grout - classified as RG1 (soft water areas).

For specific adhesive and grout advice, please contact Norcros Adhesives' technical helpline on +44 (0) 1782 524 140.

### Fixing Tiles

All 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.

All tiles shown in this brochure are recommended to be fixed with a nominal 3mm wide joint.

### 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  $% \left\{ 1\right\} =\left\{ 1\right\} =\left\{$ 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's advisable to experiment on a small inconspicuous

Paint - Paint Remover

Organic Stains - Bleach / Washing Soda

Rust - Masonry Cleaner

Oil / Fat / Grease - Detergent or Degreaser Mould Growth - Bleach / Proprietary Cleaner

Tea / Coffee / Ink - Bleach / Proprietary Cleaner

Abrasive powders or cleaners should never be used on alazed or polished tiles.

### **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, skirtings should contrast visually with the floor and be similar in colour and tone to the wall

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. This is a subject that may be reviewed by the regulatory body at any time so it is advisable to check the guidelines at the time of specification of product.

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

### Pendulum Test Values (PTV)

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 and visually impaired people.

Pendulum tests are the standard and preferred Heath and Safety Executive (HSE) test method for the assessment of floor slipperiness in both dry and contaminated (wet) conditions. This portable test can be used to test floor products in both laboratory and real world locations and conditions and uses a swinging test apparatus which simulates the act of walking.

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 36+ for wet barefoot areas, to achieve a low slip potential environment. The table below illustrates how the HSE categorise the results from the Pendulum tests for both the 4S Slider 96 and TRL Slider 55:

0 - 24 (High Slip Potential)

25 - 35 (Moderate Slip Potential)

36+ (Low Slip Potential)

Pendulum 4S and TRL results shown 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**

German ramp tests are used to generate the R Values (DIN 51130) used most commonly in Northern Europe. This test can only be carried out in laboratory conditions, so this does not allow for the testing of materials in real world locations. DIN 51130 (R Values) is a shod foot test which uses oil as a contaminant. These results are interpreted into five groups:

**R9** (6° to 10°)

R10 (11° to 19°)

RII (20° to 27°)

R12 (28° to 35°) R13 (>35°)

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.

### Colour Shade Variation (CSV)

Colour Shade Variation (CSV) values are assigned to wall and floor tiles within this brochure. These values are to be used for guidance only. Shade, colour and pattern variation are inherent characteristics of all ceramic and porcelain tiles. CSV is split into four categories:

• VI (Low Shade Variation)

When installed and mixed correctly the effect is a consistent overall appearance.

• V2 (Low to Moderate Shade Variation) When installed and mixed correctly the effect is a finish with subtle shade differences.

• V3 (Moderate to High Shade Variation)

When installed and mixed correctly the effect is a finish with a moderate degree of shade variation.

• V4 (High Shade Variation)

When installed and mixed correctly the effect is a finish with a high degree of shade variation.

### General Information

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

All sizes shown are metric modular.

For specific suitability and fit-for-purpose details please 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.

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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All product technical values quoted are supported by laboratory testing from our own and independent ceramic test houses. Johnson Tiles are British Standard registered and all products conform to the standards set in BS EN 144II (formerly BS 643I).

For the reassurance of single source supply, Johnson Tiles offer a free of charge NBS M40 specification writing service featuring the Norcros Adhesives range of tile fixing products. To find out more or for any questions or queries relating to any of the tile related technical information featured in this brochure, please contact our Technical Support Helpline on +44 (0) 1782 524 III or email technologies) on son-tiles.com.

The colours shown in this brochure are as accurate as printing processes and/or screen calibration will allow. Please refer to actual product samples before specifying. Every effort has been made to ensure the accuracy of the information given in this brochure.

N.B. We hold stock for all products featured in this brochure, the amount of stock held is based on an average weekly demand of 20 weeks – however, a minimum lead time may apply for any products that fluctuate beyond the average weekly demand levels.

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