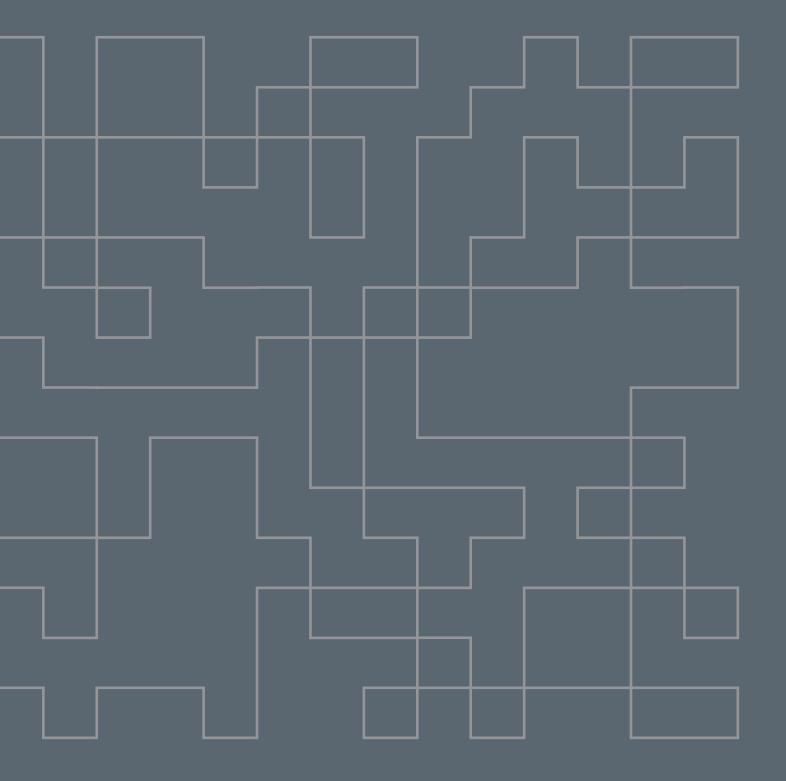
# Select Collection

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 14% 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.





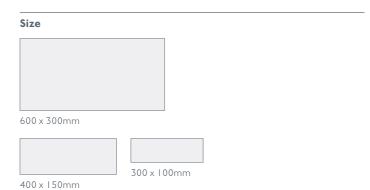


## The **Select Collection** - Available ranges...

Arctic White Glazed Ceramic Wall Tiles	PD	Ashlar Glazed Ceramic and Por Wall and Floor Tiles	celain §	Bergen Glazed Ceramic Wall Tiles	W
Cambridge Glazed Ceramic Wall Tiles	\$	Chroma Glazed Ceramic Wall Tiles	P	Concept Glazed Vitrifed Wall and Floor Tiles	S L
Duo Glazed Porcelain Wall Tiles	MP	Eminence Glazed Ceramic Wall Tiles	PD	Jewelstone Glass and Natural Ston Wall Tiles	e <b>D</b>
Modern Un-glazed Porcelain Wall and Floor Tiles	С	Natural Mosaics Natural Stone Wall Tiles	\$ D	Natural Tones Glazed Ceramic and Po Wall and Floor Tiles	rcelain §
Opal White Glazed Ceramic Wall Tiles	P	Parade Un-glazed Porcelain Wall and Floor Tiles	P	Prismatics Glazed Ceramic Wall Tiles	Р
Riven Glazed Porcelain Wall and Floor Tiles	СР	Savoy Glazed Ceramic Wall Tiles	PD	Stonework Glazed Ceramic Wall Tiles	\$
Street Glazed Porcelain Wall and Floor Tiles	CL	Teres Mosaics Glass Wall Tiles	PD	Tones Glazed Ceramic Wall Tiles	PD
Vivid Glazed Ceramic Wall Tiles	PD	Zeppelin Glazed Ceramic Wall and Floor Tiles	M		
P Plain colour C Concr	rete S S	tone W Wood	M Metalli	D Decorative	Large format

## **Arctic White** is available in three sizes, perfectly designed for seamless installation.





#### **Availability**

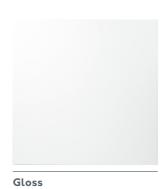
**300 x 100mm** ATIC2A White Gloss CHS12A White Satin TNS1A White Satin ELMS12 White Satin

400 x 150mm ATICIA White Gloss

600 x 300mm ATICIA White Gloss GROIA White Gloss Groove

## Three finishes combine form and function.

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



04





Gloss Groove

## One colour



White



**Arctic White Gloss** 

Ashlar is available in two sizes, perfectly designed for easy installation.



Thickness

Size

600 x 300mm

505 x 505mm

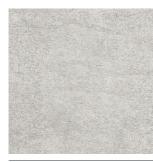
## **Availability**

505 x 505mm ALROIF Warm Taupe Matt ALRO2F Weathered White Matt ALRO3F Crafted Grey Matt

600 x 300mm ALR01A Warm Taupe Textured ALR02A Weathered White Textured ALR03A Crafted Grey Textured

## Two finishes combine form and function.

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





06



Matt

# Three colours offering a neutral and contemporary palette.





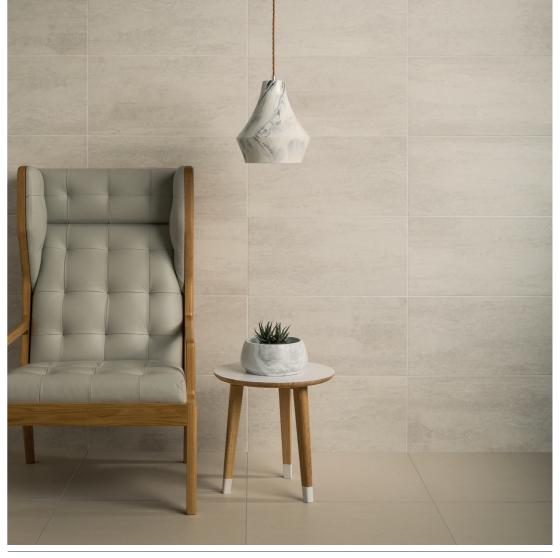




Warm Taupe



**Crafted Grey** 



**Ashlar Warm Taupe Textured** 

## Bergen is available in one subtle and versatile size.



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

Size

200 x 100mm

## **Availability**

All sizes BEG01A White Ash Matt BEG02A Light Cane Matt BEG03A Driftwood Matt BEG04A Auburn Teak Matt BEG05A Silver Birch Matt BEG06A Grey Ebony Matt

Thickness

All tiles in this range are 6.5mm thick.



Light Cane



Driftwood



Silver Birch



**Auburn Teak** 



**Grey Ebony** 

## One finish

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



Matt



Bergen Light Cane and Driftwood

# **Cambridge** is available in **one** bold and impactful size.



Size

600 x 300mm

### **Availability**

600 x 300mm 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

ATIC2A Arctic Gloss
CHG01A Saffron Gloss
CHG03A Sunset Gloss
CHG04A Poppy Gloss
CHG06A Coal Gloss
CHG07A Tarragon Gloss
CHG08A Ocean Gloss
CHG09A Dolphin Gloss
CHG10A Alloy Gloss
CHG11A Sand Gloss
CHG10A Fawn Gloss
CHG10A Fawn Gloss
CHG20A Fawn Gloss CHG20A Fawn Gloss CHG21A Almond Gloss

CHG22A 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:





Satin

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



## Concept is available in two sizes, perfectly designed for easy installation.



450 x 450mm

Thickness

thick.

850 x 280mm tiles in this range are 10mm thick. 450 x 450mm tiles are 9mm

### **Availability**

450 x 450mm CONCIF Smoke Matt CONC2F Oyster Matt CONC3F Putty Matt 850 x 280mm CONCIA Smoke Matt CONC2A Oyster Matt CONC3A Putty Matt

CONCID Grey Mix Matt Structured CONC2D Beige Mix Matt Structured

# Five colours offering a neutral and contemporary palette.









PEI III



Beige Mix

Oyster



**Grey Mix** 

# Two finishes combine form and function.

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



Matt

**Matt Structured** 



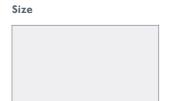
Concept Smoke Matt and Grey Mix Matt Structured

# **Duo** is available in **one** bold and impactful size.

Thickness

9mm thick.

All tiles in this range are



608 x 316mm

**Availability** 

All sizes DUO01A Ice Gloss Textured DUO02A Jet Gloss Textured

## One finish

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



**Gloss Textured** 

16

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







Duo Ice and Jet

# **Eminence** is available in **one** bold and impactful 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:





Matt Flower

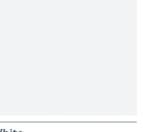


Matt



**Matt Weave** 

# One colour



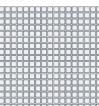
White



## Jewelstone is available in one subtle and versatile size.

## Size

Sheet size 300 x 300mm



## **Availability**

All sizes JEST06 Quartz Gloss JEST07 Sapphire Gloss JEST09 Ruby Gloss JEST10 Onyx Gloss

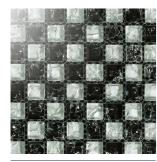
JEST01 Pearl Mixed JEST02 Amethyst Mixed JEST03 Bronze Mixed JEST04 Gold Mixed JEST05 Opal Mixed JEST08 Topaz Mixed

#### Thickness

All tiles in this range are 8mm thick.

# Two finishes combine form and function.

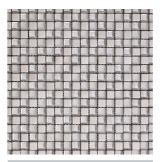
Examples below are not to scale but have been enlarged to show detail:



Gloss

Mixed

# 10 colours offering a neutral and contemporary palette.









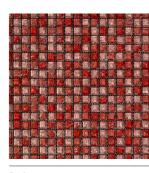
Opal



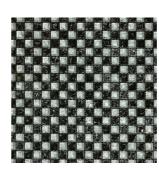
Gold







Sapphire



Onyx

Ruby

## Modern is available in two sizes, perfectly designed for seamless installation.

# Size 600 x 300mm

#### 600 x 600mm

## Mosaic

Sheet size 600 x 300mm

Mixed strips

MONIMM - Beige (Basalt, Flax and Oyster Natural and Polished Mix)

MON2MM - Grey (Graphite, Slate and Moonstone Natural and Polished Mix)

Thickness

9.5mm thick.

#### **Availability**

All sizes MON01N Basalt Natural MON02N Flax Natural MON03N Oyster Natural MON04N Ivory Natural MON05N Moonstone Natural MON06N Slate Natural MON07N Graphite Natural

MON01P Basalt Polished MON02P Flax Polished MON03P Oyster Polished MON04P Ivory Polished MON05P Moonstone Polished MON07P Graphite Polished

## Two finishes combine form and function.

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



Natural

Polished

# Seven colours offering a neutral and contemporary palette.











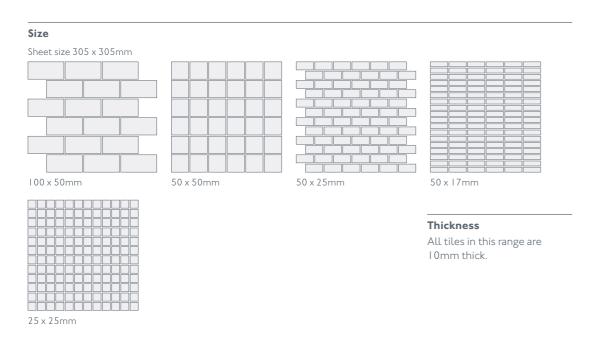




Graphite

Ivory

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



#### **Availability**

25 x 25mm SMMX I A Mixed Natural

#### 50 x 17mm

SMCTIA Travertine Polished SMBBIA Brown and Beige Polished SMSBIA Black Polished

#### 50 x 25mm SMSM2A Silver Mix Natural

SMPBIA Light and Dark Polished

SMWT2A White Natural SMSTIA Silver Travertine Natural

#### 100 x 50mm

SMBRIA 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:



Natural

**Polished** 

## **Eight colours** offering a neutral and contemporary palette.





White



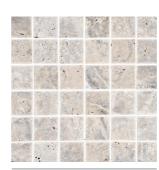
Travertine



**Brown and Beige** 

Silver Mix

Mixed



Silver Travertine

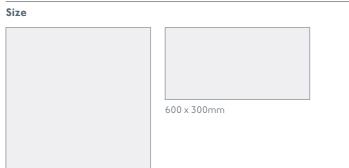
Black

## Natural Tones is available in two sizes, perfectly designed for seamless installation.



# Nine colours offering a neutral and contemporary palette.

**PEI IV** 





Thickness

 $600 \times 600 \text{mm}$  tiles in this range are 10mm thick.

#### Sheet size 300 x 300mm



Mosaic

NTM2MM - Neutrals (Zinc, Charcoal, Dove and Otter Stones Mix)

NTM3MM - Naturals (Ecru, Pebble, Mink, Nougat and Mocha Marbles Mix)



NTM2MS - Neutrals (Zinc, Charcoal, Dove and Otter Stones Mix)

NTM3MS - Naturals (Ecru, Pebble, Mink, Nougat and Mocha Marbles Mix)

#### **Availability**

NTM01A Dove Marble Gloss

NTS01A Ecru Stone Matt NTS02A Pebble Stone Matt NTS03A Mink Stone Matt

NTM01F Dove Marble Gloss NTM02F Otter Marble Gloss NTM03F Nougat Marble Gloss NTM04F Mocha Marble Gloss

NTS01F Ecru Stone Matt NTS02F Pebble Stone Matt NTS03F Mink Stone Matt NTS04F Zinc Stone Matt NTS05F Charcoal Stone Matt

#### 600 x 300mm

NTM02A Otter Marble Gloss NTM03A Nougat Marble Gloss NTM04A Mocha Marble Gloss

NTS04A Zinc Stone Matt NTS05A Charcoal Stone Matt

### 600 x 600mm

## Two finishes combine form and function.

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



Matt



**Ecru Stone** 



Pebble Stone

**Charcoal Stone** 



PEIII

**Mink Stone** 

PELI Mocha Marble

# **Opal White** is available in **one** subtle and versatile size, with co-ordinating fittings.



## Size Thickness All tiles in this range are 5.5mm thick. 152 x 152mm Fitting 152 x 152mm - RE 152 x 152mm - REX 152mm - Bead 152mm - Bead external external stop end

#### **Availability**

**All sizes** NOPAL White Gloss

**All fittings** NOPAL White Gloss

## One finish

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



28

## One colour





**Opal White** 

# Parade is available in one bold and impactful size.



Thickness

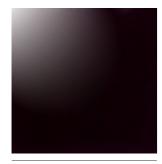
All tiles in this range are I 0mm thick.

# **Availability**

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

## One finish

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



**Polished** 

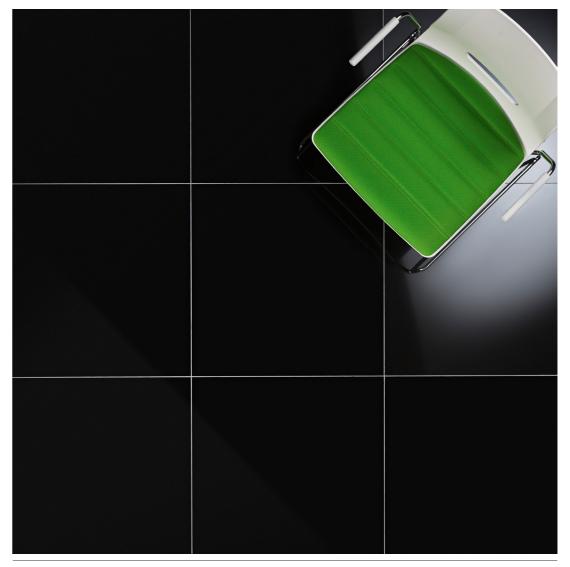
30

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







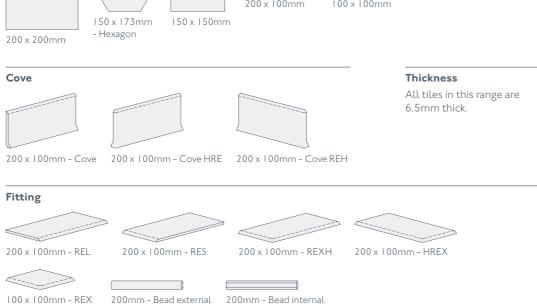


Parade Black

# **Prismatics** is available in **five sizes**, perfectly designed for seamless installation.







### **Availability**

 $100~x~100mm,\,150~x~150mm,\,200~x~100mm$  and 200~x~200mm All colours are available in all sizes

#### 150 x 173mm - Hexagon

Gloss: PRG | White, PRG 6 Black, PRG | 1 Shark, PRG | 6 Teal, PRG48 Goldcrest, PRG | 03 Old Lace, PRG | 1 0 Jungle, PRG | 19 flame, PRG | 20 Strawberry Satin: PRS | 2 White, PRS | 3 Black, PRS | 5 Shark, PRS 93 Old Lave

#### All fittings

All fittings
Gloss: PRG1 White, PRV2 Victorian Cream, PRV3 Victorian Blue,
PRG6 Black, PRG11 Shark, PRG16 Teal, PRG24 Storm Grey,
PRG28 Duck Egg, PRG40 Pistachio, PRG48 Goldcrest,
PRG55 Pumpkin, PRG106 Magenta, PRG112 Midnight,
PRG117 Olive, PRG120 Strawberry
Satin: PRS12 White, PRS14 Magnolia

# **Two finishes** combine form and function.

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



## **48 Gloss colours**



Victorian Green Jungle Olive Chartreuse 33

# Black Ash Elephant Shadow Suede Woodpigeon Coffee Cappuccino Mimosa Sun Haze Goldcrest Sunflower Pumpkin Flame Tomato Strawberry Mintwater Duck Egg Electric Teal

Lagoon

Ocean Blue

## 20 Satin colours



Pistachio

Peppermint

# Riven is available in one bold and impactful size.

Size



600 x 300mm

#### **Availability**

All sizes
RIV015 Portland White Structured
RIV02S Yorkstone Structured
RIV03S Granite City Structured
RIV04S Welsh Slate Structured

## Thickness

All tiles in this range are 9.5mm thick.

## One finish

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



Structured

# Four colours offering a neutral and contemporary palette.







Yorkstone

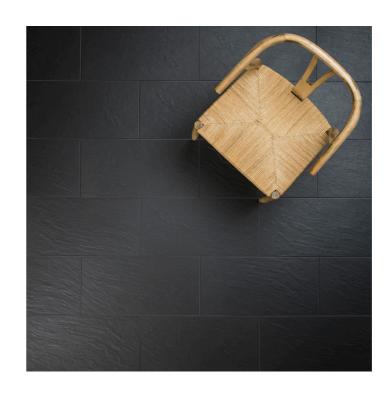




**Granite City** 

Welsh Slate





## **Savoy** is available in **two sizes**, perfectly designed for seamless installation.



Thickness

 $200 \times 100 \text{mm}$  tiles in this range are 6.5mm thick.

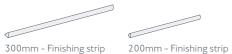
## Size



300 x 100mm

200 x 100mm

## Fitting



#### 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.

SAV02D Oat Gloss Décor \*

SAV03D Grain Gloss Décor \*

SAV07D Noir Gloss Décor\*

SAV08D Leaf Gloss Décor\*

SAV04D Caraway Gloss Décor \* SAV05D Dew Gloss Décor \* SAV06D Steel Gloss Décor \*

#### **Availability**

All sizes SAV02A Oat Gloss SAV03A Grain Gloss SAV04A Caraway Gloss SAV05A Dew Gloss SAV06A Steel Gloss SAV07A Noir Gloss SAV08A Leaf Gloss

\* Only available in 300 x 100mm

All fittings SAV02A Oat Gloss SAV03A Grain Gloss SAV04A Caraway Gloss SAV05A Dew Gloss SAV06A Steel Gloss SAV07A Noir Gloss SAV08A Leaf Gloss

## Two finishes combine form and function.

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





Gloss

Gloss Décor

# Seven colours offering a neutral and contemporary palette.







Caraway





Dew



Leaf

## **Stonework** is available in **one** subtle and versatile size.



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

Size



200 x 100mm

## **Availability**

Thickness

All tiles in this range are 6.5mm thick.

All sizes STW01A Autumn Brown Matt STW02A Hessian Matt STW03A Light Tan Matt STW04A Limewash Matt STW05A Cool Mist Matt STW06A Dusk Matt



Light Tan



**Autumn Brown** 



Hessian



Limewash



Cool Mist



Dusk

## One finish

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

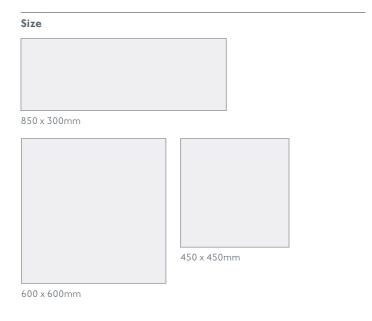


Matt



Stonework Dusk

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



Thickness 450 x 450mm tiles in this range are 9mm thick. All other tiles are 10mm thick.

## **Availability**

All sizes STRTIN Vapour Matt STRT2N Pewter Matt STRT3N Iron Matt

## One finish

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



Matt

42

Three colours offering a neutral and contemporary palette.







**PEI IV** 

Street Iron

# **Teres Mosaics** is available in **one** subtle and versatile size.

#### Size

Sheet size 300 x 300mm

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23 x 23mm

#### **Availability**

#### All size

TERE02 Polar Gloss

TERE07 Carbon Gloss

TERE15 Pillar Box Gloss

TEREI9 Azure Gloss

TERE38 Pewter Gloss TERE39 Fawn Gloss

TERE53 Blue Topaz Gloss

ERHZ4 Plum Glos

TERVI5 Straw Gloss

TERV44 Chestnut Gloss TERV70 Spearmint Gloss

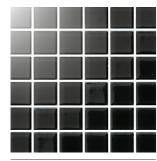
TERV73 Marine Gloss

#### **Thickness**

All tiles in this range are 4mm thick.

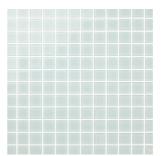
## One finish

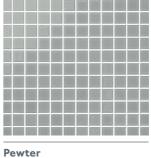
Example below is not to scale but has been enlarged to show detail:

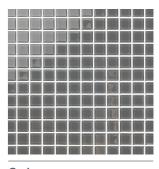


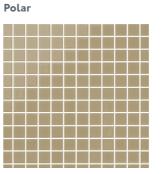
Gloss

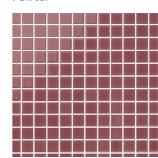
# **13 colours** offering a vibrant and contemporary palette.



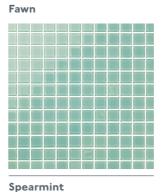


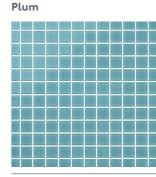


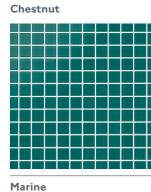


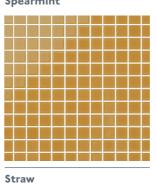


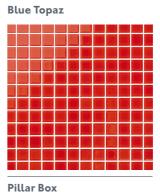


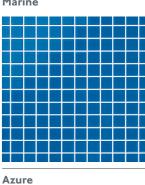












Azure

Black 45

## **Tones** is available in **one** subtle and versatile size.



12 colours offering a neutral and contemporary palette.

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

TNS IN White Matt Nano TNS7N Charcoal Matt Nano TNSTP White Matt Polygon TNS7P Charcoal Matt Polygon

## Four finishes combine form and function.

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





**Matt Nano** 

46

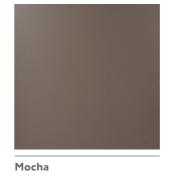




Matt Wave















Steam Linear Mix

Charcoal

**Smoke Linear Mix** 

Mocha Linear Mix

Latte

Smoke

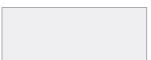
Matt Polygon

**Vivid** is available in **one** subtle and versatile size.



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

## Size



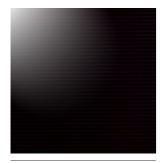
400 x 150mm

## **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

## One finish

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



Gloss











Red









Black

## **Zeppelin** is available in **two sizes**, perfectly designed for easy installation.

# Size 500 x 200mm 450 x 450mm

### Thickness 500 x 200mm tiles in this range are 9mm thick. 450 x 450mm tiles are 8.5mm

thick.

## Availability

450 x 450mm

ZEPLIF Silver Gloss

ZEPL2F Cream Gloss

ZEPL3F Bronze Gloss

ZEPL4F Grey Gloss

50 x 200mm ZEPLIA Silver Gloss ZEPL2A Cream Gloss ZEPL3A Bronze Gloss ZEPL4A Grey Gloss

# One finish

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



Gloss

# Four colours offering a neutral and contemporary palette.







**PEI IV** 

**PEI IV** 





Grey PEI III





## Floor tile suitability

### 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.

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).

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

#### 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.

Floor coverings that are walked on by regular traffic with some scratching dirt so that the conditions are more severe than Class III (e.g. conservatories).

#### **PEI V**

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.

#### Colour notations

Range	Code	Colour	PEI value
Ashlar	ALR01F	Warm Taupe	III
Ashlar	ALR02F	Weathered White	III
Ashlar	ALR03F	Crafted Grey	III
Concept	CONCIF	Smoke	III
Concept	CONC2F	Oyster	IV
Concept	CONC3F	Putty	III
Natural Tones	NTSOIF	Ecru Stone	IV
Natural Tones	NTS02F	Pebble Stone	III
Natural Tones	NTS03F	Mink Stone	II
Natural Tones	NTS04F	Zinc Stone	II
Natural Tones	NTS05F	Charcoal Stone	1
Natural Tones	NTM01F	Dove Marble	IV
Natural Tones	NTM02F	Otter Marble	III
Natural Tones	NTM03F	Nougat Marble	IV
Natural Tones	NTM04F	Mocha Marble	1
Riven	RIVOIS	Portland White	IV
Riven	RIV02S	Yorkstone	III
Riven	RIV03S	Granite City	III
Riven	RIV04S	Welsh Slate	III
Street	STRTIN	Vapour	IV
Street	STRT2N	Pewter	II
Street	STRT3N	Iron	II
Zeppelin	ZEPLIF	Silver	IV
Zeppelin	ZEPL2F	Cream	IV
Zeppelin	ZEPL3F	Bronze	III
Zeppelin	ZEPL4F	Grey	III

**Note**: These results are from Johnson Tiles' internal test reports and are to be used for guidance only.

## Ceramic tile physical properties

Test	Standard	Requirement	Typical test value
Length/width	EN ISO 10545-2	±0.5% ≤ ±2mm	Pass
>–← Straightness of side	EN ISO 10545-2	±0.3% ≤ ±1.5mm	Pass
Water absorption	EN ISO 10545-3	10% to 20%	Pass
Modulus of rupture	EN ISO 10545-4	Min 15N/mm²	Pass
Frost resistance	EN ISO 10545-12		Not suitable for installations where temperatures may fall below freezing.
Stain resistance	EN ISO 10545-14	Min Class 3	Pass

## Vitrified tile physical properties

Test		Standard	Requirement	Typical test value
	Length/width	EN ISO 10545-2	±0.6% ≤ ±2mm	Pass
>	Straightness of side	EN ISO 10545-2	±0.5% ≤ ±1.5mm	Pass
	Water absorption	EN ISO 10545-3	3% to 6%	Pass
	Modulus of rupture	EN ISO 10545-4	Min 22N/mm²	Pass
100 mm	Frost resistance	EN ISO 10545-12		Not suitable for installations where temperatures may fall below freezing.
	Stain resistance	EN ISO 10545-14	Min Class 3	Pass

### Porcelain tile physical properties

Test		Standard	Requirement	Typical test value
	Length/width	EN ISO 10545-2	±0.6% ≤ ±2mm	Pass
<b>&gt;−</b> €	Straightness of side	EN ISO 10545-2	±0.5% ≤ ±1.5mm	Pass
	Water absorption	EN ISO 10545-3	≤ 0.5%	Pass
	Modulus of rupture	EN ISO 10545-4	Min 35N/mm²	Pass
	Frost resistance	EN ISO 10545-12	Resistant	Resistant
	Stain resistance	EN ISO 10545-14	Min Class 3	Pass

#### 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.

- 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
- Nothing in these statement's does, or will affect the statutory rights of the consumer.
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Uniclass Epic L512 E223 CI/SfB [42] Sg3

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