DESIGNED IN BRITAIN | MADE IN BRITAIN

Vision Statement

To establish British Ceramic Tile as the premium brand through consistently high product quality, competitively priced product and exemplary customer service delivered by an engaged team of people operating in an environmentally responsible, safe facility.

Designed in Britain

Our tiles are created by some of the UK's leading designers, who keep one step ahead of the latest interior trends and ensure that our ranges offer choice, flexibility and the ability to coordinate with kitchens and bathrooms, whatever your taste.

A World-class British Manufacturer and proud of it!

Sitting on the edge of Dartmoor, where tile manufacturing has taken place for well over a century, British Ceramic Tile is now a market leading manufacturing operation that can legitimately claim to be world-class. Following a multi-million pound investment programme, British Ceramic Tile now combines the very best of British design with quality, value and a serious approach to social and environmental responsibilities.

Environmentally Active

At British Ceramic Tile we are committed to sustainable working and reducing our impact on the environment. We source the majority of our raw materials locally and recycle as much as we can, including rainwater, back into the production process.

Quality you can trust

Our range is manufactured to stringent quality standards, which surpass the latest British and European regulations EN14411.All our tile sizes are modular metric and include provision for a suitable grout gap. We remain committed to continuous innovation in both design and quality and our achievements have gained due recognition by our industry peers.

We hope the following pages will hold something to stir your senses and we're pleased that you are considering buying British. If you have any questions, please don't hesitate to contact our customer services team on 0845 504 6665.





British Ceramic Tile is a leading manufacturer of ceramic wall tiles that it supplies into a variety of market sectors covering both domestic and commercial applications. To ensure customers can obtain their entire tiling needs from a single source, British Ceramic Tile specially selects and distributes complementary products from other overseas third party manufacturers operating to their own exacting standards of quality. These include floor tiles, small format kitchen tiles, natural stone strips & mosaic sheets.



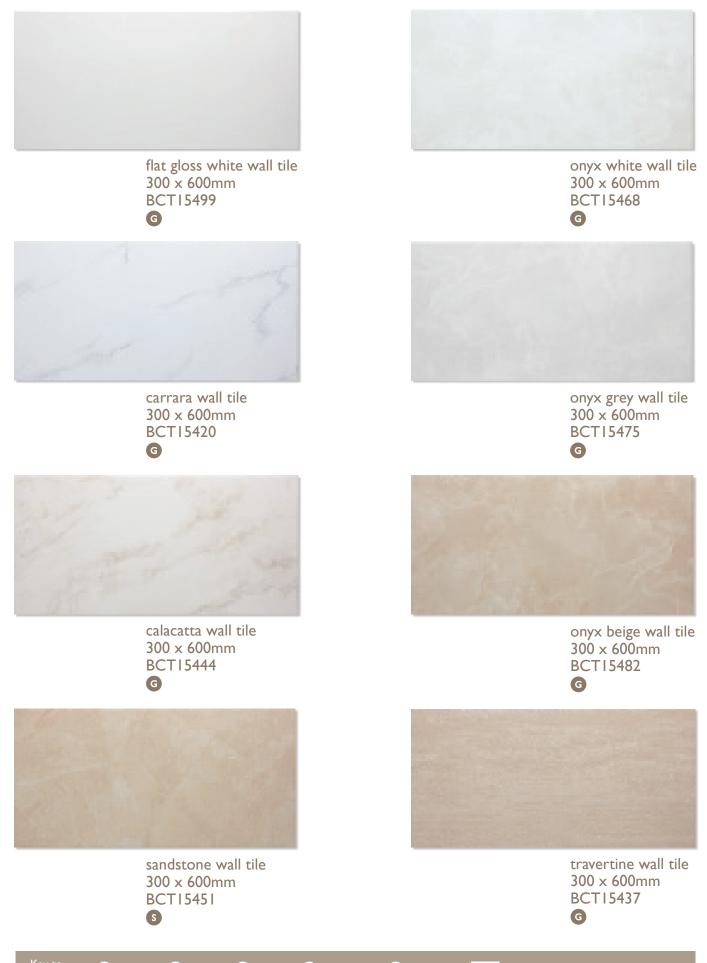
RANGE	SIZE (cm)	PAGE
Ashbourne	15 x 15	38
Brighton	25 x 40	8
Buxton	25 x 40	34
Carrara	25 x 33	47
Country Colours	10 x 10's / 10 x 20's	41
Dartmoor Naturals	25 x 40	26
Dorchester	30 × 60	6
Elgin Marbles	25 x 40	18
Floor	33 x 33	52
Frost	25 x 40	13
Mayfair	25 x 40	12
Modo	10 x 30	40
Piccadilly	20 x 25	49
Reflections	15 x 15 to 25 x 40	42
Riven	20 x 25	36
Salisbury	25 x 40	50
Saturn	25 x 40	14
Turin	15 x 15	39
Vivaldi	20 x 25	48
White & Cream	15 x 15 to 30 x 60	44
Willow	25 x 40	16
Wiltshire	25 x 33	37

Laura Ashley			
Highgate	25 × 33	68	
Hinton	25 × 40	60	
Isadore	25 x 40	66	
Malvern	25 x 40	70	
Marchmont	25 x 40	62	
Wintergarden	25 × 40	64	
Wiston	20 x 25	72	

Studio Conran		
Hartland	25 × 40	76

Technical		
PEI Ratings	54	
Technical Section	80	

dorchester





coordinating floor tile



carrara floor tile 333 x 333mm BCT 17370 G C PEI 3

coordinating floor tile



calacatta floor tile 333 x 333mm BCT 17394 G C PEI 4



onyx white floor tile 333 x 333mm BCT17387 G C PEI 4

coordinating floor tile

coordinating floor tile



travertine floor tile 333 x 333mm BCT 17356 G C PEI 4

brighton





ivory wall tile 248 x 398mm BCT14584 G



truffle wall tile 248 x 398mm BCT14560



beige wall tile 248 x 398mm BCT14591 G



grey wall tile 248 x 398mm BCT14577 G





shine warm strip 398mm x 50mm BCT14614

coordinating floor tile



white floor tile 333 x 333mm BCT17417 G C PEL4



brighton



white wall tile 248 x 398mm BCT12238



red wall tile 248 x 398mm BCT12191 G



lilac wall tile 248 x 398mm BCT12221 G

coordinating floor tile



white floor tile 333 x 333mm BCT17417 G C PEI4



orange wall tile 248 x 398mm BCT12214 G



black wall tile 248 x 398mm BCT12207



blue wall tile 248 x 398mm BCT12306





blackfriars floor tile 333 x 333mm BCT I 3778 S P PEI 3



green wall tile 248 x 398mm BCT12313 G

G = Gloss



pavilion red strip 248 x 80mm BCT12245 G



pavilion black strip 248 x 80mm BCT12252 G

M = Matt

S = Satin



pavilion lilac strip 248 x 80mm BCT12276



pavilion blue strip 248 x 80mm BCT12290



pavilion orange strip 248 x 80mm BCT12269



pavilion green strip 248 x 80mm BCT12283

10



brighton

mayfair









frost







frost

saturn







lunar metallic wall tile 248 x 398mm BCT I I 279



S



willow











248 x 398mm BCT13907



white/black strip 248 x 80mm BCT03755 G

complementary satin floor tile



elgin/dartmoor white floor tile 333 x 333mm BCT13808 S P PEI 4

coordinating floor tile



dorchester carrara floor tile 333 x 333mm BCT17370 G C PEI 3

coordinating floor tile



nero floor tile 333 x 333mm BCT17363 G C PEI 4







coordinating floor tile



travertine floor tile 333 x 333mm BCT I 3785 S P PEI 3







cream/brown marble strip 305 x 50mm BCT03731



crema marfil/ marron strip 248 x 80mm BCT03762 coordinating floor tile



crema marfil floor tile 333 x 333mm BCT I 3792 S P PEI 4







cappuccino cream wall tile 248 x 398mm BCT12665 G



cappuccino beige wall tile 248 x 398mm BCT12672 G



cappuccino beige mosaic 248 x 398mm BCT12696 G

coordinating floor tile



cappuccino cream floor tile 333 x 333mm BCT 17400 G C PEI 4







limestone wall tile 248 x 398mm CAN43596

Key to symbols



beige marble strip 305 x 48mm CAN43633



beige glass dots strip 312 x 60mm CAN43640 G

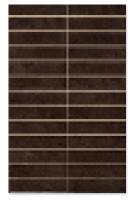
coordinating floor tile



limestone floor tile 333 x 333mm BCT11705 S P PEI 4







slate mosaic 248 x 398mm CAN43671 S



slate pressed mosaic 248 x 398mm BCT13150 S



dolomite leaf strip 123 x 398mm BCT08637



black/white marble strip 305 x 48mm CAN43626



coordinating floor tile



elgin/dartmoor white floor tile 333 x 333mm BCT I 3808 S P PEI 4







quartz wall tile 248 x 398mm CAN43572



black/white marble strip 305 x 48mm CAN43626

> Key to symbols



quartz mosaic 248 x 398mm CAN43688



quartz pressed mosaic 248 x 398mm BCT13143



quartz mosaic strip 123 x 398mm BCT14706 S





sandstone wall tile 248 x 398mm CAN43602 S



pulpis wall tile 248 x 398mm CAN43619



sandstone mosaic 248 x 398mm CAN43664 S



sandstone pressed mosaic 248 x 398mm BCT13136 S



sandstone leaf strip 123 x 398mm BCT08613 S

beige marble strip 305 x 48mm CAN43633



beige glass dots strip 312 x 60mm CAN43640 G



pulpis geo strip 123 x 398mm BCT08644





sandstone floor tile 333 x 333mm BCT I 3853 S P PEI 4



sandstone mosaic strip 123 x 398mm BCT14690 S

coordinating floor tile







buxton





marble beige sheet 302 x 302mm BCT10340



marble black/white sheet 302 x 302mm BCT10357



white wall tile 248 x 398mm CAN42933



dark beige wall tile 248 x 398mm CAN42957

coordinating floor tile



beige floor tile 333 x 333mm BCT13815 S P PEI 4



light beige wall tile 248 x 398mm CAN42940



marble beige strip 302 x 48mm BCT10807



marble black/white strip 302 x 48mm BCT10814





charcoal floor tile 333 x 333mm BCT13822 S P PEI3



riven





white wall tile 198 x 248mm BCT08996 S

Key to symbols

G = Gloss



cream wall tile 198 x 248mm BCT09009 S

M = Matt

S = Satin



droplets white strip 198 x 50mm BCT09023 S

C = Ceramic

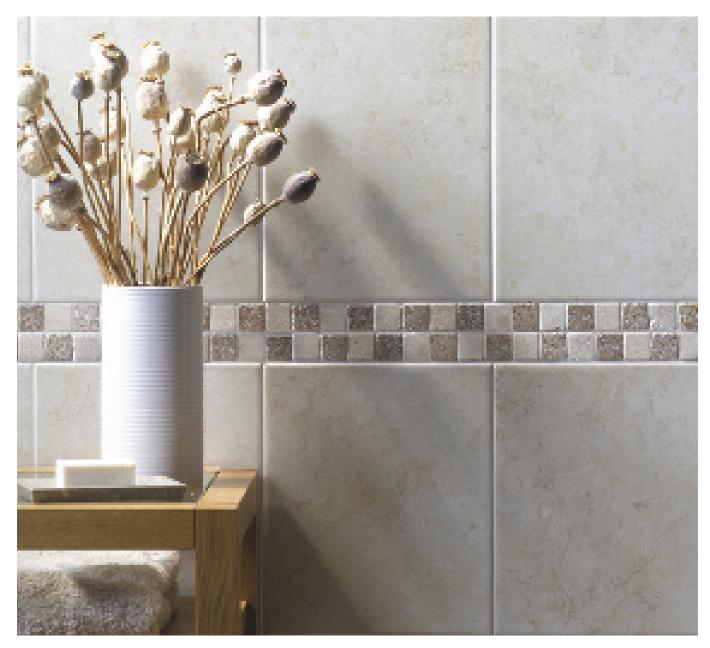
P = Porcelain



droplets cream strip 198 x 50mm BCT09016 S

PEI = Floor Tile PEI Rating refer to page 54

wiltshire





light beige wall tile 248 x 33 l mm CAN35539



dark beige wall tile 248 x 331mm CAN35546



marble beige sheet 325 x 325mm BCT10333

ashbourne



natural wall tile 148 x 148mm CAN34136

S



leaf natural insert* 148 x 148mm CAN43541



leaf cream insert* 148 x 148mm CAN43534

G = Gloss

Key to symbols



cream wall tile 148 x 148mm CAN34112





wall tile 148 x 148mm CAN34143





terracotta wall tile 148 x 148mm CAN34129

PEI = Floor Tile PEI Rating refer to page 54



S = Satin

M = Matt



C = Ceramic

*Inserts come in a pack of six with three different designs in a single colour

P = Porcelain

turin





white 148 x 148mm BCT07623



beige 148 x 148mm BCT07586



grey 148 x 148mm BCT07616



brown 148 x 148mm BCT07593



charcoal 148 x 148mm BCT07609

modo





blanco wall tile 100 x 300mm BCT11965



crema wall tile 100 x 300mm BCT11941 S

black wall tile 100 x 300mm BCT11958

Key to symbols

country colours & 10 x 20's

white

wall tile 100 x 100mm BCT12726



cream wall tile 100 x 100mm BCT12733 G



10×20 's

gloss white wall tile 100 x 200mm BCT12016 G



gloss black wall tile 100 x 200mm BCT12023



gloss cream wall tile 100 x 200mm BCT12030 G

reflections



white wall tile 248 x 398mm CAN41806



white wall tile 198 x 198mm CAN30084



twist strip 198 x 50mm CAN35478



Key to symbols

reflections filigree strip 248 x 80mm CAN41905



white wall tile 248 x 33 I mm CAN34778



white wall tile 148 x 148mm CAN30060 G



greco black/ white strip 198 x 73mm BCT08576 G



398 x 98mm BCT12382



white wall tile 198 x 248mm CAN30107 G



cream wall tile 198 x 248mm CAN30114



cream wall tile 148 x 148mm CAN30077 G



greco black/ white strip 248 x 80mm BCT08545 G



reflections

white & cream



flat gloss white wall tile 300 x 600mm BCT15499 G





gloss white wall tile 248 x 331mm CAN33207 G



gloss white wall tile 198 x 248mm CAN30046 G





gloss white wall tile 148 x 148mm BCT11729 G



gloss cream wall tile 148 x 148mm BCT11736 G



vall tile 248 x 398mm CAN41813

Key to symbols



satin white wall tile 198 x 248mm CAN33337



satin white wall tile 198 x 198mm BCT09818



satin white wall tile 148 x 148mm BCT11743



white & cream

white & cream











148 x 148mm BCT08484 G





hudson beige insert* 148 x 148mm BCT08477 G

*Inserts come in a pack of six with three different designs in a single colour



mosaic aqua

148 x 148mm

CAN34075

insert

G



mosaic blue insert 148 x 148mm CAN43152





insert 198 x 198mm BCT14904 G

paris beige strip 198 x 50mm BCT14874 G

Key to symbols



paris purple strip 198 x 50mm BCT14911 G



paris blue strip 198 x 50mm BCT14898 G









G

paris black strip 198 x 50mm BCT14881 G

carrara







complementary floor tile

dorchester carrara floor tile 330 x 330mm BCT17370 G C PEI 3



248 x 331mm CAN33191 G



nero floor tile 333 x 333mm BCT17363 G C PEI 4



rhodes white/grey strip 248 x 40mm CAN40243 G

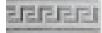
complementary floor tile

vivaldi





light grey wall tile 198 x 248mm BCT07579 G



greek key grey strip 198 x 73mm BCT08552



light beige wall tile 198 x 248mm BCT07531 G



greek key beige strip 198 x 73mm BCT08569

M = Matt

P = Porcelain



dark beige wall tile 198 x 248mm BCT07500



florentine grey strip 198 x 98mm BCT08583 G

C = Ceramic



florentine beige strip 198 x 98mm BCT08590 G

PEI = Floor Tile PEI Rating refer to page 54

piccadilly





piccadilly beige wall tile 198 x 248mm BCT12511 G



mosaic scroll beige strip 198 x 50mm BCT12498



piccadilly grey wall tile 198 x 248mm BCT12528



mosaic scroll grey strip 198 x 50mm BCT12504 G



squares beige strip 198 x 50mm BCT12467 G



squares grey strip 198 x 50mm BCT12474

salisbury



mist wall tile 248 x 398mm BCT15338



barley wall tile 248 x 398mm BCT15369



putty wall tile 248 x 398mm BCT15352



mushroom wall tile 248 x 398mm BCT15345





truffle wall tile 248 x 398mm BCT15376

mixed strip

BCT15383

S

248 x 40mm



mixed mosaic 248 x 398mm BCT15390

coordinating floor tile



mist floor tile 333 x 333mm BCT17349 S P PEI4

Key to symbols

G = Gloss

S = Satin



salisbury

porcelain floors





elgin/dartmoor white floor tile 333 x 333mm BCT I 3808 S P PEI 4

willow neutral floor tile 333 x 333mm BCT I 1637 S P PEI 4



dartmoor naturals limestone floor tile 333 x 333mm BCT11705 S P PEI 4



willow grey floor tile 333 x 333mm BCT | 1583 S P PEI 4



buxton beige floor tile 333 x 333mm BCT13815 S P PEI 4



elgin marbles crema marfil floor tile 333 x 333mm BCT I 3792 S P PEI 4



elgin marbles travertine floor tile 333 x 333mm BCT I 3785 S P PEI 3



dartmoor naturals sandstone floor tile 333 x 333mm BCT13853 S P PEI 4



dartmoor naturals pulpis floor tile 333 x 333mm BCT I 1699 S P PEI 4



buxton charcoal floor tile 333 x 333mm BCT13822 S P PEI3



blackfriars floor tile 333 x 333mm BCT I 3778 S P PEI 3

ceramic floors

actual tile size: 331 x 331mm, nominal tile size: 333 x 333mm



brighton white floor tile 333 x 333mm BCT17417 G C PEI4



dorchester carrara white floor tile 333 x 333mm BCT 17370 G C PEI 3



willow light floor tile 333 x 333mm BCT17424 M C PEL4



dorchester calacatta floor tile 333 x 333mm BCT17394 G C PEI 4



dorchester onyx white floor tile 333 x 333mm BCT | 7387 G C PEI 4



elgin cappuccino cream floor tile 333 x 333mm BCT17400 G C PEI 4



salisbury mist floor tile 333 x 333mm BCT17349 S C PEI 4



dorchester travertine floor tile 333 x 333mm BCT I 7356 G C PEI 4



terracotta floor tile 333 x 333mm BCT | 743 | M C PEI 3



nero floor tile 333 x 333mm BCT 17363 G C PEI 4





floors

PEI ratings

	PRODUCT	PRODUCT DESCRIPTION	PENDULUM TEST RESULT		SURFACE	PEI
	CODE		Dry	Wet	ROUGHNESS TEST	RATINGS
	BCT13778	Blackfriars Black Floor Tile 333 x 333mm	50	21	6.8	3
	BCT17417	Brighton White Floor Tile 333 x 333mm	51	15	4.1	4
	BCT13815	Buxton Beige Floor Tile 333 x 333mm	53	17	9.6	4
	BCT13822	Buxton Charcoal Floor Tile 333 x 333mm	54	28	10.9	3
	BCTI1705	Dartmoor Naturals Limestone Floor Tile 333 × 333mm	50	21	8.5	4
	BCTI1699	Dartmoor Naturals Pulpis Floor Tile 333 × 333mm	56	30		4
	BCT13853	Dartmoor Naturals Sandstone Floor Tile 333 x 333mm	51	20	8.3	4
	BCT17394	Dorchester Calacatta White Floor Tile 333 x 333mm	50	16	5.0	4
	BCT17370	Dorchester Carrara White Floor Tile 333 x 333mm	53	14	3.8	3
	BCT17387	Dorchester Onyx White Floor Tile 333 x 333mm	51	16	3.8	4
	BCT17356	Dorchester Travertine Floor Tile 333 x 333mm	53	13	3.3	4
	BCT17400	Elgin Marbles Cappuccino Cream Floor Tile 333 x 333mm	53	25	5.1	4
	BCT13792	Elgin Marbles Crema Marfil Floor Tile 333 x 333mm	51	19	7.3	4
	BCT13785	Elgin Marbles Travertine Floor Tile 333 x 333mm	48	20	6.7	3
	BCT13808	Elgin/Dartmoor White Floor Tile 333 x 333mm	50	17	6.4	4
	BCT17363	Nero Black Floor Tile 333 x 333mm	54	36	7.2	4
	BCT17349	Salisbury Mist Floor Tile 333 x 333mm	49	19	6.8	4
(\land)	BCT17431	Terracotta Floor Tile 333 x 333mm	51	28	7.7	3
ĎŃ	BCT11583	Willow Grey Floor Tile 333 x 333mm	49	18	9.1	4
	BCT17424	Willow Light Floor Tile 333 x 333mm	47	17	7.2	4
El ratings	BCTI1637	Willow Neutral Floor Tile 333 x 333mm	50	16	7.9	4
	KEY TO SLIP POTENTIAL (IN TABLE ABOVE) PEI RATINGS					
	POTE	RTIAL PENDULUM TEST VALUE RE SURFACE R SLIP (PTV) ROUGHNESS	Cer	Class I amic tile suggested dential and commer	cial wall residential, med	ggested for ium commercial

POTENTIAL FOR SLIP	PENDULUM TEST VALUE (PTV)	RE SURFACE ROUGHNESS	
HIGH	0-24	Below 10	
MODERATE	25-36	10-20	
LOW	36+	20+	

PEI RATINGS

PEI Class I Ceramic tile suggested for interior residential and commercial wall applications only.

PEI Class 2

Ceramic tile suggested for interior residential and commercial wall applications and for residential bathroom floor applications only.

PEI Class 3 Ceramic tile suggested for residential floor, countertop, and wall applications.

PEI Class 4

Ceramic tile suggested for residential, medium commercial and light institutional floor and wall applications.

PEI Class 5

Ceramic tile suggested for residential, medium commercial and institutional floor and wall applications subjected to heavy to extra heavy traffic.

Key to symbols

P = Porcelain C = Ceramic



LAURA ASHLEY







introduction



LAURA ASHLEY

The Laura Ashley tile collection from British Ceramic Tile offers the perfect way to add that understated finish to any bathroom, kitchen or other tiled area.

The tiles have been designed as the ideal complement to a wide range of furniture and other home furnishings from the Laura Ashley ranges.

Now one of the world's best-loved fashion and home furnishings companies, Laura Ashley came from humble beginnings when Laura and her husband Bernard Ashley started printing fabric on their kitchen table in London in 1953, following a Women's Institute exhibition at the Victoria and Albert Museum on traditional handicrafts.

In 1960 the first Laura Ashley shop opened in Macchynlleth, Wales where Laura and Bernard sold locally produced honey, walking sticks and their own hand made products.

By the end of the 1970's the company had expanded significantly and there were over 70 Laura Ashley shops worldwide. In 1979, Laura and Bernard moved from Wales to northern France, the relocation proved to be great source of inspiration for Laura, and her new style of products evolved on a grander scale, with a distinctive country farmhouse aesthetic.

Inspired by her new surroundings, Laura began to shift her attention from fashion to the home furnishings side of the business, and the first full home furnishings catalogue appeared in 1981 with the 'Decorator Collection' launched in 1982, with more radical designs and prints aimed at the interior design market.

In 2005 the company moved its production operations on to one site in Newtown, Powys, Wales where it currently produces paint, wallpaper and made to measure curtains.

The business has continued to grow with the addition of licensee ranges such as tiles, carpets, eyewear and towels.



introduction

hinton

LAURA ASHLEY





black wall tile 248 x 398mm LA51072 G



white wall tile 248 x 398mm LA51065 G



mosaic strip 398 x 98mm LA51089



marchmont

LAURA ASHLEY





white wall tile 248 x 398mm LA51294 G

> Key to symbols



french blue wall tile 248 x 398mm LA51300 G



marchmont

wintergarden

LAURA ASHLEY



Key to symbols



wintergarden

isadore

LAURA ASHLEY





plain white wall tile 248 x 398mm LA50792 G





wall tile 248 x 398mm LA50808



glass black strip

248 x 30mm LA50822

Key to symbols

isadore

highgate

LAURA ASHLEY





white wall tile 248 x 331mm LA50563

6 N. Carlos

leaf white/silver strip 248 x 40mm LA50587 G

deco white/silver strip 248 x 40mm LA50600

Key to symbols



highgate

malvern

LAURA ASHLEY





beige wall tile 248 x 398mm LA50839

charcoal pebble strip 300 x 70mm LA50945



beige mosaic 248 x 398mm LA50846



beige pebble strip 300 x 70mm LA50952



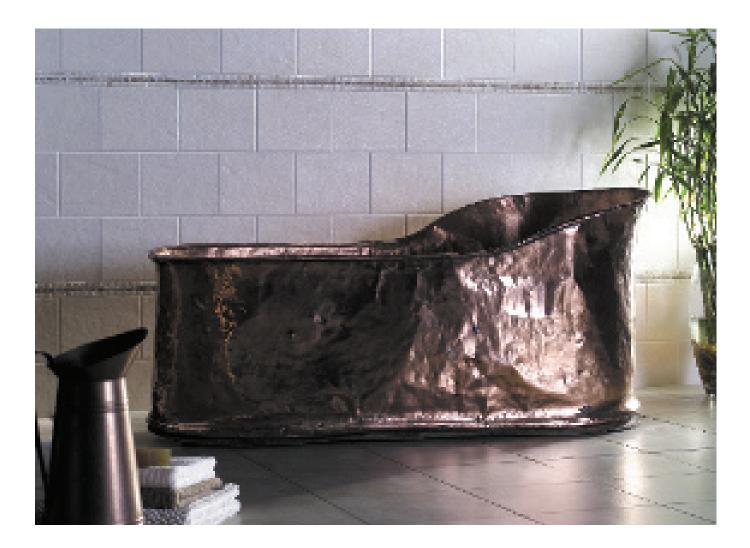
beige pressed mosaic 248 x 398mm LA51270



malvern

wiston

LAURA ASHLEY





Key to symbols

G = Gloss

S = Satin M = Matt

P = Porcelain

C = Ceramic



wiston

introduction

Designed in London by Studio Conran, and manufactured in Devon by British Ceramic Tile, the collaboration brings together British Ceramic Tile's experience as a leader in the field of glazing and textural finishes and Studio Conran's design expertise.

Studio Conran, founded by Sir Terence and Sebastian Conran, has a heritage of experience and success spanning over 50 years developing design solutions for modern living.

This collection of tiles has been inspired by the beautiful textures of nature from the West Country and captures the regions dramatic contrasts.

During the creative journey of design we absorb inspiration from almost everywhere, especially the natural environment around us. A stroll along the beach admiring the cliffs, the sea, the sky and even the pebbles at our feet is an experience in visual texture. These rugged coastal environments have been an important influence in conceiving this range, and we have endeavoured to enoke the spirit of these textures in the collection so they may be brought into your own environment.

Sebastian Conran



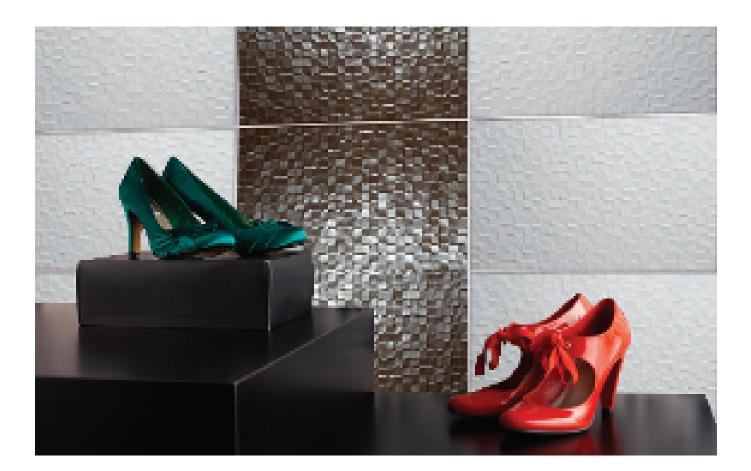




Studio Conran.

hartland







white wall tile 248 x 398mm RAN00408

> Key to symbols



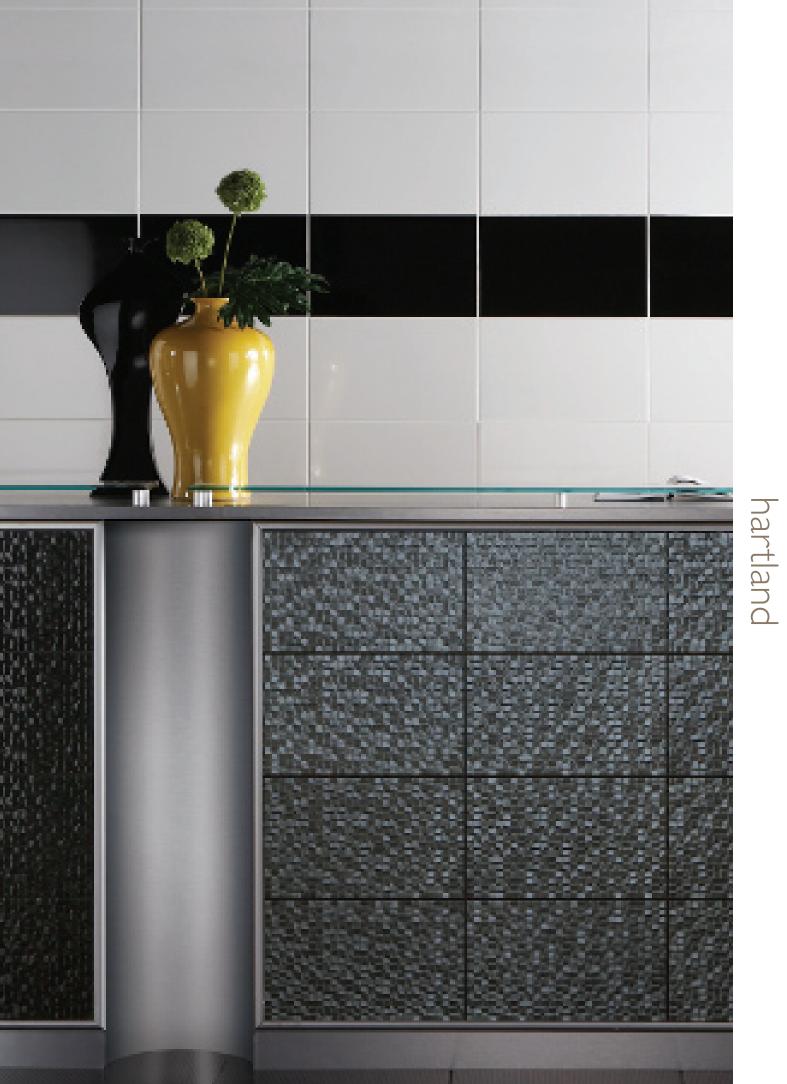
white mosaic 248 x 398mm RAN00439



metallic mosaic 248 x 398mm RAN00453 G



black mosaic 248 x 398mm RAN00446 G







technical

technically perfect

At British Ceramic Tile we strive to be faultless in our approach to meeting the strictest of technical standards. We produce in excess of 20,000m² of tiles every day and we do so within internationally recognised standards. This is a difficult technical challenge yet we do not compromise on any of these standards.

It is only by manufacturing in such volume, with such consistent technical precision, that we can be sure that we are able to pass on the benefits of our modern manufacturing capability downstream to our specifiers and end users in the form of better value for money in our product.

BS EN 14411

As with most construction products, the main technical characteristics of ceramic tiles are classified by international standards. For ceramic tiles, the relevant harmonised European standard is BS EN 14411. This standard encompasses the BS EN ISO 10545 suite of ceramic tile test methods.

Within EN 14411, ceramic tiles are classified into various groups to reflect the range of production processes and product characteristics. The products manufactured in our factory in Devon are classified as group BIII and are covered by Annex L of the standard. We manufacture to strict levels of quality control throughout the entire production process to ensure all products meet or exceed these requirements. We periodically have the tiles independently assessed by an accredited ceramic test laboratory (CERAM).

CE Marking and Product Directives

The CE mark is a mandatory conformity mark for many products within the European Economic Area (EEA). By affixing the CE mark, the manufacturer asserts that the item meets all the essential requirements of all applicable harmonised European standards as set out in the relevant European Product Directives. For ceramic tiles, the requirements for CE marking are contained within Annex ZA of EN 14411. This standard meets the requirements of the Mandates M/119 (Floorings) and M/121 (Internal and external wall and ceiling finishes) given under the EU Construction Products Directive (89/106/EEC).

Further information may be found at www.britishceramictile.com/technical

Slip Resistance

There is a duty of care upon stakeholders involved in specifying flooring products (manufacturers, architects, distributors, installers etc.) to ensure that the surfaces are fit for purpose and do not pose a safety risk. One of the key considerations is defining its slip resistance. The latest version of EN14411 does not define a single test protocol for assessing slip resistance. Instead several tests have been deemed to be acceptable and it has been left to individual EU member states to determine their favoured test. For the UK, the only slip test recognised by the Health and Safety Laboratory is the pendulum test. Other slip tests e.g. DIN 51130 Ramp or Tortus are not recognised.

For ceramic tiles, the use of the pendulum is covered by BS 7976-2. The test is designed to simulate the action of a slipping foot and uses a weighted swinging arm which contacts the test surface via a standard rubber heel (slider). The slip resistance is calculated by measuring the upswing - the greater the upswing, the lower the slip resistance.

Further details on measuring slip resistance can be found in the following link www.hse.gov.uk/pubns/web/slips01.pdf

The HSE has also developed a freely downloadable software package (Slip Assessment Tool – SAT) that allows users to assess the slip potential of pedestrian walkway surfaces using surface microroughness data and other relevant information. The SAT software can be downloaded free from the following link.

www.hsesat.info

Abrasion Resistance of Glazed Floor Tiles (PEI)

All floor coverings are exposed to wear due to the abrasive action of dirt particles contained on the soles of the user's footwear. Over prolonged periods this causes the appearance of the tile to change. As applied to glazed ceramic floor tiles, surface abrasion is assessed by BS EN ISO 10545-7.

This test is a compulsory requirement for glazed ceramic tiles intended to be used in flooring applications. This test involves subjecting the glazed tile to an abrasive load and establishing the number of revolutions required to cause visible damage to the glazed surface. The test results are classified into one of six wear resistance groups ranging from class 0 (unsuitable for floors) to class 5 (suitable for intensive pedestrian traffic). The test and the associated scale were originally developed by the Porcelain Enamel Institute (PEI) and hence the term PEI is frequently encountered in this field. Annex N of EN14411 provides informative guidance on suitable end uses for each wear class. To avoid the risk of premature wear; tiles with a wear resistance classification that meets (or exceeds) that required for the particular application should be used.

- Class 0 Not recommended for use on floors.
- Class I Very light traffic. Soft soled footwear or bare feet without direct access from outside (ensuite bathrooms).
- Class 2 Light traffic. Soft soled or normal footwear with very occasional exposure to scratching dirt (living rooms, main bathroom areas, bedrooms).
- Class 3 Light to Moderate Traffic. Normal footwear in the presence of small amounts of scratching dirt (any residential area with the possible exception of some entries and kitchens if extremely heavy or abrasive traffic is anticipated).
- Class 4 Moderate to HeavyTraffic with some scratching dirt (entrances, commercial kitchens, hotels, exhibitions).
- Class 5 Heavy traffic over sustained periods with some scratching dirt (shopping centres, airport concourses, hotel foyers).

BS EN ISO 10545-7 and the associated scale are only applicable to glazed tiles. Unglazed floor tiles, e.g. through body porcelain are subjected to a different wear test, namely BS EN 10545-6 which measures resistance to deep abrasion.

Tile Fixing Recommendation

The fixing of tiles to walls and floors is governed by several British Standards, notably the BS 5385 series and BS 8000-11, A list of the individual standards is given here:

Fixing standards

BS 5385-1:2009 Wall and floor tiling, Design and installation of ceramic, natural stone and mosaic wall tiling in normal internal conditions. Code of practice BS 5385-2:2006 Wall and floor tiling. Design and installation of external ceramic

BS 5385-2:2006 Wall and floor tiling. Design and installation of external ceramic and mosaic wall tiling in normal conditions. Code of practice

BS 5385-3:2007 Wall and floor tiling. Design and installation of internal and external ceramic floor tiles and mosaics in normal conditions. Code of practice BS 5385-4:2009 Wall and floor tiling. Design and installation of ceramic and mosaic tiling in special conditions. Code of practice

BS 5385-5:2009 Wall and floor tiling. Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring. Code of practice

BS 8000-11,1:1989 Workmanship on building sites. Code of practice for wall and floor tiling. Ceramic tiles, terrazzo tiles and mosaics

BS 8000-11.2:1990 Workmanship on building sites. Code of practice for wall and floor tiling. Natural stone tiles

A list of standards relating to adhesives and grout is listed here:

BS EN 12004:2007 Adhesives for tiles – Requirements, evaluation of conformity, classification and designation

BS EN 13888:2009 Grout for tiles — Requirements, evaluation of conformity, classification and designation

The nature of the background should always be a primary consideration, since it determines the type of adhesive to be used and whether any intermediate substrate or other preparatory treatment is required before tiling can commence. Factors relating to the background to be considered are numerous and include the type of material, condition, straightness, porosity, presence of soluble salts etc. Early consideration should also be given to the provision of movement joints in order to allow stresses that result from movement of the background, e.g. drying shrinkage, thermal changes and moisture changes to be dissipated. We also recommend that tiles are separated with minimum tile joints of 2mm for wall tiles and 3mm for floor tiles.

Ceramic tiles can be fixed using cementitious, dispersion or reaction resin adhesives that are suitable for the required application and the type of tile type to be fixed (BIII, BIa etc.). The fixing method to be used varies depending on the type of background, the nature of the adhesive and the anticipated service conditions of the installation. Therefore, the recommendations of the relevant British Standard and the specific instructions of the adhesive manufacturers should be followed. The performance requirements of adhesives are specified in BS EN 12004:2007.

The performance requirements of grouts are specified in BS EN 13888:2009. It should be noted that some coloured grouts can cause staining on certain glazed tiles. Following the recommendations given in BS 5385, we recommend that when using coloured grouts, a loose sample should first be tested to ensure the tile does not absorb pigment into its surface.

Cleaning & Maintenance

With proper care and attention, a correctly installed, good quality ceramic tile should give many years of trouble-free service.

The Tile Association "Cleaning & Maintenance of Ceramic Tiles" publication recommends:

Hard water deposits, soap, scum and body oils build up and, therefore thorough and frequent cleaning is essential.

The best way to prevent build up of soap, scum and body oil deposits is to use a plastic scouring pad with the appropriate cleaner when cleaning. Acidic based proprietary cleaning materials should not be used with ceramics, porcelain or natural stone.

Wet rooms with inadequate ventilation to remove excess moisture may have fungal growth on the tiles or grout. This can be controlled by wiping with a dilute solution of bleach and leaving it for five minutes before cleaning off. If the fungal growth is not completely removed the bleach may be re-applied and scrubbed with a brush to loosen. The surface should always be rinsed thoroughly with clean water. Bleach should always be used with caution and never mixed with other chemicals. Adequate ventilation should be provided when using these materials.

DDA Requirements

When specifying ceramic wall and floor tiles, the main consideration relating to the Disability Discrimination Act 2005 is colour contrast. Having visual contrast between adjacent elements of a building (e.g. doors, walls, stair edging) allows partially sighted people to differentiate between these elements.

Compliance with this Act can be achieved by following the guidance in either the Building Regulations 2004 Part M or BS 8300.

Both of these documents refer to Light Reflectance Values (LRV) to denote colour contrast. LRV is a measure of the total quantity of visible light reflected by a surface. It is measured on a scale of 0 to 100, with 0 being a perfect absorbing black and 100 being a perfect reflecting white.

In practice a typical black matt tile would have a score of around 5, while a pure white gloss tile would typically score around 90. All other tile colours fit in between these two extremes. The larger the difference between the LRVs of adjacent surfaces the greater the visual contrast is and the easier it is for someone with impaired vision to perceive the difference.

In order to ensure buildings meet the DDA requirements, Part M: 2004 requires an LRV difference between adjacent surfaces of at least 30 points. The latest BS 8300 guidance (incorporating Amendment I June 2005) states that there is research-based evidence that a difference of about 20 points may be an acceptable minimum for large areas. For wall and floors tiles, we recommend an LRV difference of 20 points (minimum) and where possible at least 30 points.

Shading

Tiles from British Ceramic Tile are manufactured to the highest British and European standards. During the manufacturing of ALL ceramic tiles, some variations in shade and pattern can occur, however we are confident that the tone will be consistent. We recommend that sufficient tiles are purchased at one time to complete the jobs. Do not fix tiles if you cannot obtain an acceptable blend for any reason.

Modular Metric

Our tiles are modular metric. This means that the tile Size (mm)s have been designed to accommodate the grout gap in the module Size (mm). This makes it easy to calculate the area that will be covered by the tiles after they have been fixed. Following the recommendations given in BS 5385, our wall and floor tiles have been designed for 2mm and 3mm grout joints respectively. As an example, our equivalent of a 20 \times 25cm wall tile actually measures 198 \times 248 mm and one box of twenty tiles will produce 1 m² of tiled wall when fixed using 2mm spacers.

General

The product images shown in this catalogue are as accurate as the limitations of the printing process will allow. Please refer to actual product samples before purchasing.

Every effort has been made to ensure the accuracy of the information given in this literature. In the interests of progress, however, British Ceramic Tile reserves the right to change specifications and availability without prior notice.

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technical

Packing Matrix

PRODUCT	TILE DIMENSIONS		PACK DETAILS			PALLET	
TYPE	Length mm	Height mm	Quantity Per Pack	Metres Per Pack	Weights kg	Box Quantity	Weight kg
ĺ	148	148	44	1.0	8.90	100	913
-	198	198	25	1.0	10.30	80	847
Wall Tiles	198	248	20	1.0	10.80	89	984
vvali i lies	248	331	12	1.0	12.90	72	952
-	248	398	10	1.0	3.40	72	988
-	300	600	9	1.2	I 6.05	40	986
	148	50	6	0.04	0.40	940	399
-	198	50	6	0.06	0.81	700	590
-	198	73	5	0.07	80.1	550	617
-	198	73	6	0.09	1.13	550	645
Staria a	198	98	6	0.12	1.62	380	639
Strips	248	40	6	0.06	1.15	550	656
-	248	80	6	0.12	2.01	390	807
-	398	98	6	0.23	3.15	186	609
-	398	50	6	0.12	3.15	186	609
-	398	98	6	0.23	3.15	186	609
Floor Tile (P)	333	333	9	1.0	18.70	52	995
Floor Tile (C)	333	333	9	1.0	16.50	48	815

technical

general technical wall tile Dry Pressed Tiles, Group BIII, E>10%

Dimensional properties

	TEST NORM	NORM STANDARD VALUE	BRITISH CERAMIC TILE VALUE	
Length and Width	EN ISO 10545-2	+/- 0.5%	Complies with standard	
Thickness	EN ISO 10545-2	+/- 10%	Complies with standard	
Side Straightness	EN ISO 10545-2	+/- 0.3%	Complies with standard	
Rectangularity	EN ISO 10545-2	+/- 0.5%	Complies with standard	
Surface Flatness	EN ISO 10545-2	Centre & Edge + 0.5%, -0.3% Warpage +/- 0.5%	Complies with standard	

Physical properties

	TEST NORM	NORM STANDARD VALUE	BRITISH CERAMIC TILE VALUE
Slip Resistance	BS7976	Not applicable	-
Breakage Charge	EN ISO 10545-2	Thickness ≥ ≥7.5mm, 600 Thickness <7.5mm, >200	Complies with standard
Modulus of Rupture	EN ISO 10545-4	Thickness ≥≥ 7.5mm, I2N/mm2 Thickness <7.5mm, I5N/mm2	Complies with standard
Water Absorption	EN ISO 10545-3	>10%	Complies with standard
Resistance to Abrasion	EN ISO 10545-7	Not applicable	-
Resistance to Thermal Shock	EN ISO 10545-9	Manufacturer's Declaration	Resists
Crazing Resistance	EN ISO 10545-11	Required	Resists
Frost Resistance	EN ISO 10545-12	Not applicable	-

Chemical properties

	TEST NORM	NORM STANDARD VALUE	BRITISH CERAMIC TILE VALUE
Resistance to Acids	EN ISO 10545-13	Manufacturer's Declaration	Complies with standard
Resistance to Household Cleaning Products	EN ISO 10545-13	Minimum Class GB Complies with st	
Resistance to Staining	EN ISO 10545-14	Minimum Class 3	Complies with standard
Release of Lead and Cadmium	EN ISO 10545-15 SI2006 No.1179.The Ceramic Articles In Contact With Food (England) Regulations 2006	Manufacturer's Declaration	Complies with standard