

Outdoor Solutions

2025



RAK
CERAMICS



Outdoor

Redefining outdoor living

Give your outdoor spaces a new look. Sustainable and adaptable, porcelain tiles are the ideal choice to design and revamp gardens, patios, terraces, driveways or pool edges. The different installation possibilities allow the material to perfectly blend in with its surrounding landscape.

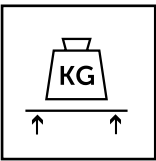




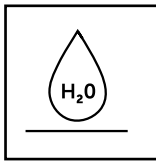
Contents

Baltico	14
Calacatta Gold	18
Calacatta Grey	20
Canvas	22
Carmo Stone	26
Fashion Stone Outdoor	30
Maremma	34
Rapolano	36
RAK Stone 2.0	40
Stone Lagoon	42
Surface 2.0 Outdoor	44


Technical Plus Factors



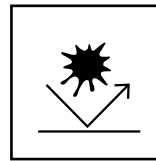
Bending and breaking strength resistant



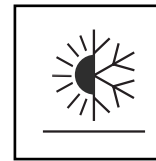
Water absorption resistant




Frost and fire resistant



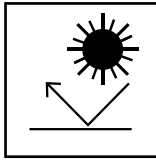
Stain resistant



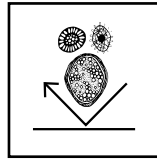
Thermal shock resistant



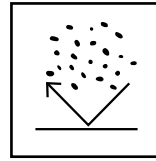
Slip resistance r11 - c(a+b+c)



No discolouring with exposure to light



Moulds, moss and verdigris resistant



Salt resistant



Applications



Dry laying on grass



Dry laying on gravel



Dry laying on sand




Screed with adhesive




Laying as raised paving


The extra thick tiles are ideal for installation on any outdoor areas such as:




Mall and offices




House exterior garden




Terrace



Swimming pools

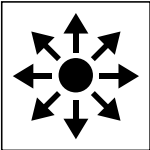


Cafés / Restaurants




Public gardens

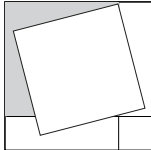
Practical Plus Factors



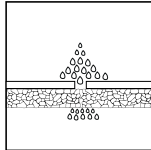
Versatile



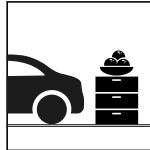
Easy to install



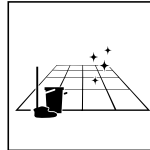
Removable, inspectable and releasable



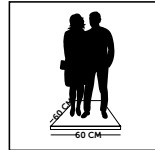
Effective drainage



Matching indoor and outdoor pavings



Need no treatment and is easy to clean

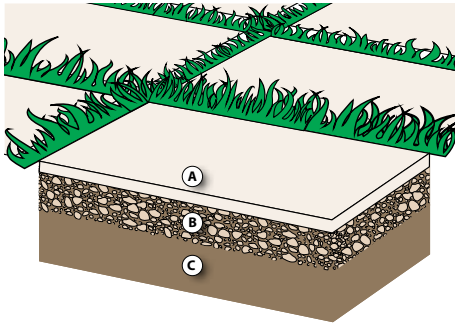


Paths convenient for more than one person

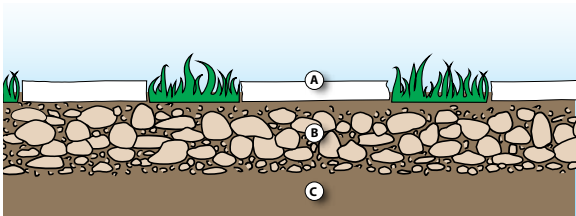
Direct installation on grass

Ideal for: Gardens, gazebos and walkways

- 1- Remove the soil below the area where the sheet will be laid to a thickness of about 5-6 cm
- 2- Apply gravel to a thickness of about 3-4 cm and compact the foundation
- 3- Rest the sheets - with at least 1 cm of gap - on the gravel bed and use a rubber hammer to eliminate any unevenness



- A. Tile
- B. Fine gravel or sandy laying bed
- C. Ground



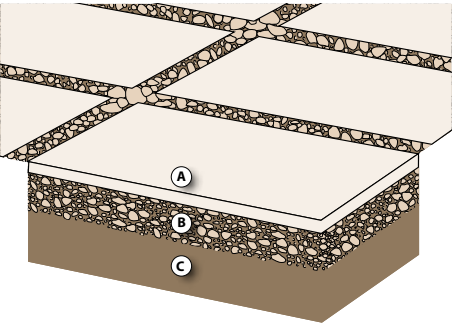
- LAYING DIRECTLY ON GRASS
- Laying with closed joints
- Laying with open joints



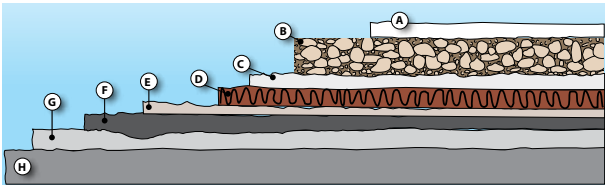
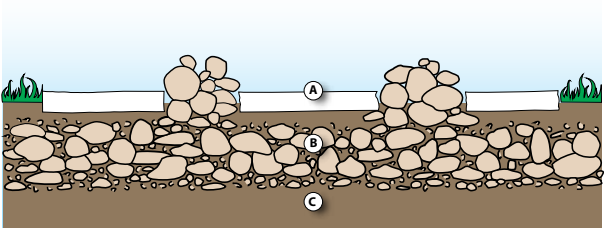
Installation on gravel and sand

Ideal for: Gardens, patios, courtyards, pedestrian walkways, beach resorts and perimeter areas in pools

- 1- Compact the level of the resting layer (sand or gravel)
- 2- Lay the sheet on the bed of gravel or sand, maintaining a minimum gap of 1 cm or wider
- 3- Use a rubber hammer to eliminate any unevenness
- 4- Fill in the joints between the sheets with gravel or sand to provide greater stability to the surface



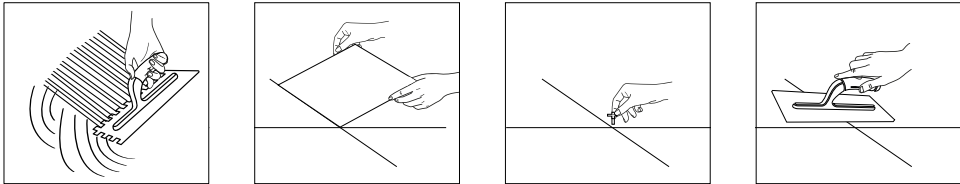
- A. Tile
- B. Fine gravel or sandy laying bed
- C. Concrete screed (may include electro welded mesh)
- D. Reinforcement layer
- E. Concrete screed
- F. Loose stone foundation (gravel)
- G. Soil



Installation on screed with adhesive

Ideal for: Terraces, indoor areas and high traffic areas

- 1- Create a screed to the proper standard, which may or may not be waterproofed depending on requirement
- 2- Apply the adhesive evenly (apply to both the screed and the slab if heavy loads are expected)
- 3- Lay the slabs using cross spacers to create suitable joints (for unrectified products, a joint of at least 5 mm is required)
- 4- Create expansion and separation joints suitable for the location and the size of the area to be covered



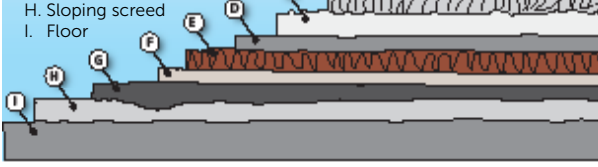
Examples of laying on a soil with adhesive

- A. Tile
- B. Adhesive
- C. Concrete screed (may include electro welded mesh)
- D. Reinforcement layer
- E. Concrete screed
- F. Loose stone foundation (gravel)
- G. Soil



Example of laying on a cement with adhesive

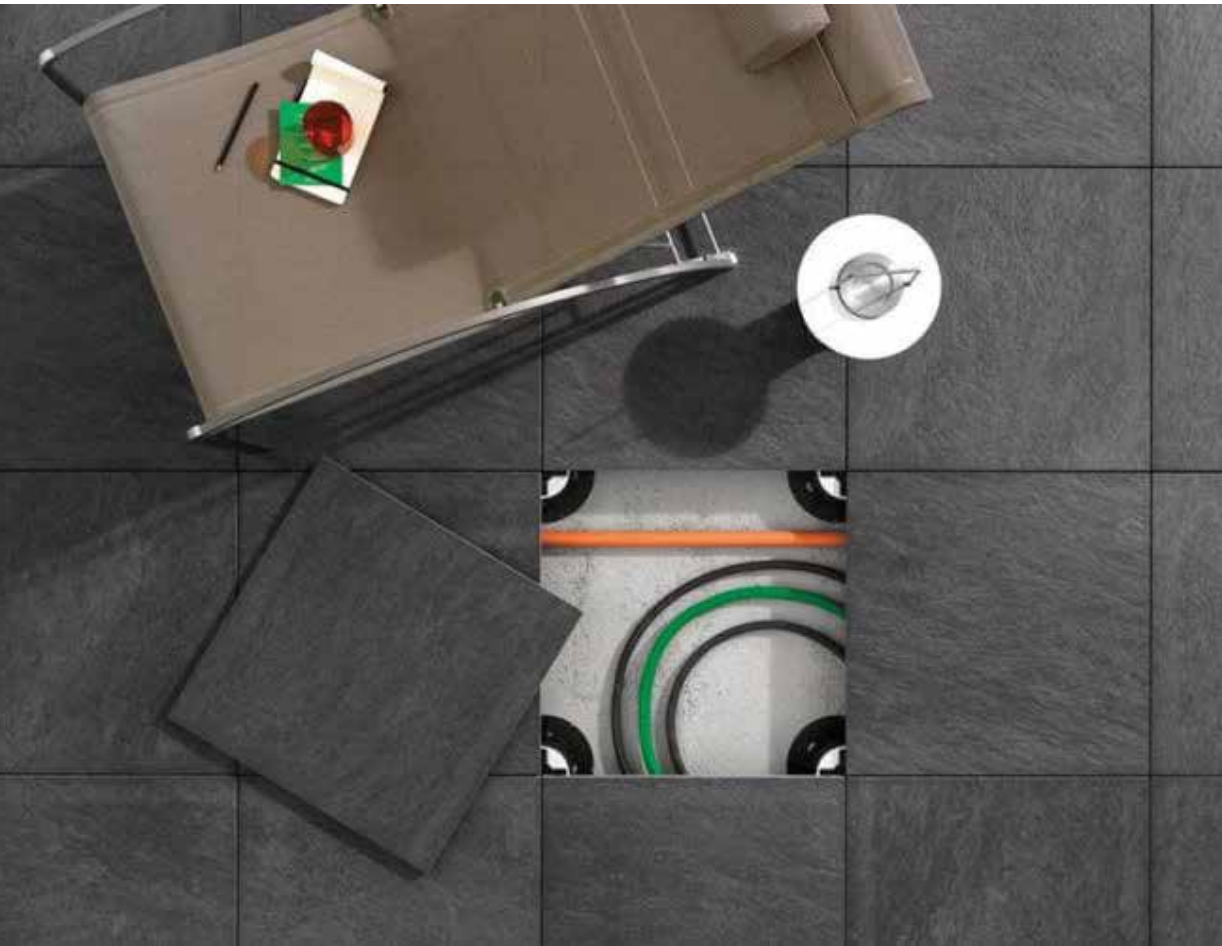
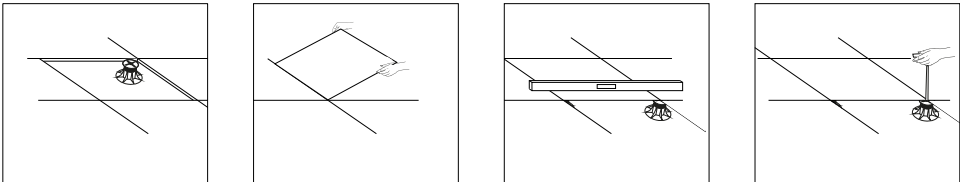
- A. Tile
- B. Adhesive
- C. Concrete screed
- D. Separation layer
- E. Thermal insulation element
- F. Vapour barrier
- G. Waterproof layer
- H. Sloping screed
- I. Floor



Installation on fixed or adjustable feet

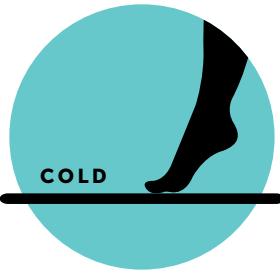
Ideal for: Offices, terrace, places to hide pipes or cables

- 1- Check that the substrate is flat, firm, rigid and able to support the weight of the paving without deformation
- 2- Choose suitable pedestals, polypropylene feet and other system are available in the market
- 3- Give the surface of the paving a suitable gradient to ensure effective storm water drainage
- 4- Follow the instruction of the chosen system



KLIMA

Klima is a new generation ceramic that, thanks to special materials, is able to absorb and repel heat according to individual needs. Suitable for both indoor and outdoor applications, for flooring or external walls, to achieve maximum comfort with minimum energy impact.



OUTDOOR USE

When installed on outdoor flooring, Klima repels the heat from sunlight, resisting high temperatures. Even with significant sun exposure, the surface is not burning hot and the floor remains cool and pleasant to walk on with bare feet.



INDOOR USE

When applied on indoor flooring, Klima retains room heat and releases it over the entire surface, producing a warmer feel than a standard floor. Ideal for surfaces that provide a wood-like effect, imparting a warmth and a comfort to be experienced.



ENERGY SAVING

On external ventilated façades, Klima helps limit heat dispersion while maintaining a steady indoor temperature. An innovative solution that helps reduce room energy demands.

Outdoor
BALTICO

NEW



OUTDOOR

Outdoor

BALTICO

BALTICO BEIGE




BALTICO LIGHT GREY




BALTICO GREY






Floor














Outdoor



R11

PORCELAIN TILES | Matt • Rectified • Light Structure

NAME	COLOUR		SURFACE	60x90 cm			
BALTICO		BEIGE	MATT	A03GBLIC-BEEY6X7R			
		LIGHT GREY	MATT	A03GBLIC-LIG.Y6X7R			
		GREY	MATT	A03GBLIC-GRYY6X7R			
							
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60X90	20	1	0.54	24	45	24.3	1103




Outdoor


CALACATTA GOLD

CALACATTA GOLD WHITE





Floor



Outdoor

R11









INNOTECH

RAK CERAMICS

KLIMA

RAK CERAMICS LAB

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x120 cm				
CALACATTA GOLD 20 mm	 WHITE	MATT	A12GGDCL-WHEY0X7R				
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60X120	20	1	0.72	33	30	21.6	990




Outdoor


CALACATTA GREY

CALACATTA GREY WHITE





Floor



Outdoor

R11









INNOTECH

RAK CERAMICS

KLIMA

RAK CERAMICS LAB

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x120 cm				
CALACATTA GREY 20 mm	 WHITE	MATT	A12GGRCL-WHEY0X7R				
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60X120	20	1	0.72	33	30	21.6	990



Outdoor
CANVAS

NEW




OUTDOOR

Outdoor


CANVAS

CANVAS GREY






Floor









Outdoor



R11

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x90 cm				
CANVAS 20 mm	 GREY	MATT	A03GZCAN-GRY.Y0X7R				
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60X90	20	1	0.54	24	45	24.3	1103



OUTDOOR

Outdoor
CARMO STONE



OUTDOOR

Outdoor

CARMO STONE

GREY



ANTHRACITE




IVORY



BLACK















Floor


Light Commercial


Outdoor

R11

PORCELAIN TILES | Matt • Rectified • Light Structure

NAME	COLOUR		SURFACE	60x120 cm			
CARMO STONE <div>Y 20 mm</div>		GREY	MATT	A12GCMSO-GRY.Y6X7R			
		ANTHRACITE	MATT	A12GCMSO-ANTY.Y6X7R			
		IVORY	MATT	A12GCMSO-IVO.Y6X7R			
		BLACK	MATT	A12GCMSO-BLK.Y6X7R			
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x120	20	1	0.72	30	30	21.6	900



Outdoor
FASHION STONE OUTDOOR



Outdoor

FASHION STONE OUTDOOR

FASHION STONE LIGHT GREY



FASHION STONE GREY



FASHION STONE BLACK



FASHION STONE IVORY




FASHION STONE BEIGE




FASHION STONE CLAY


















Floor



Outdoor

R11

PORCELAIN TILES | Matt • Rectified • Smooth

NAME		COLOUR	SURFACE	60x60 cm				
FASHION STONE 20 mm		LIGHT GREY	MATT	A06GFNSE-LIG.MYX7R				
		GREY	MATT	A06GFNSE-GRY.MYX7R				
		BLACK	MATT	A06GFNSE-BLK.MYX7R				
		IVORY	MATT	A06GFNSE-IVO.MYX7R				
		BEIGE	MATT	A06GFNSE-BEE.MYX7R				
		CLAY	MATT	A06GFNSE-CLA.MYX7R				
Sizes (cm)		Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x60		20	2	0.72	32	30	21.6	981



OUTDOOR

Outdoor

MAREMMA

MAREMMA SAND




MAREMMA GREY




MAREMMA COPPER



SIGNATURE
COLLECTION



Floor



Outdoor

R11











INNOTECH

RAK CERAMICS

KLIMA

RAK CERAMICS LAB

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR		SURFACE	60x120 cm			
MAREMMA 20 mm		SAND	MATT	A12GMRMA-SNDY6X7R			
		GREY	MATT	A12GMRMA-GRY6X7R			
		COPPER	MATT	A12GMRMA-COPY6X7R			
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x120	20	1	0.72	33	30	21.6	990



OUTDOOR

Outdoor
RAPOLANO

NEW



Outdoor

RAPOLANO

RAPOLANO LIGHT BEIGE




RAPOLANO BEIGE




RAPOLANO GREY





Floor






Outdoor

R11



OUTDOOR

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x90 cm
RAPOLANO	 LIGHT BEIGE	MATT	A03GRLMB-LBEY0X7R
	 BEIGE	MATT	A03GRLMB-BEEY0X7R
	 GREY	MATT	A03GRLMB-GRY0X7R


Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60X90	20	1	0.54	24	45	24.3	1103

Outdoor


RAK STONE 2.0

RAK STONE 2.0 GREY






Floor



Outdoor



R11









INNOTECH

RAK CERAMICS

KLIMA

RAK CERAMICS LAB

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x120 cm				
RAK STONE 2.0 20 mm	 GREY	MATT	A12GRTOE-GRY.Y6X7R				
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x120	20	1	0.72	33	30	21.6	990



OUTDOOR

Outdoor


STONE LAGOON

STONE LAGOON GREY




STONE LAGOON SAND





Floor



Outdoor

R11










INNOTECH

RAK CERAMICS

KLIMA

RAK CERAMICS LAB

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR	SURFACE	60x120 cm				
STONE LAGOON x20 mm	 GREY	MATT	A12GSNOG-GRY.Y6X7R				
	 SAND	MATT	A12GSNOG-SND.Y6X7R				
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x120	20	1	0.72	33	30	21.6	990



OUTDOOR

Outdoor

SURFACE 2.0 OUTDOOR

SURFACE 2.0 OUTDOOR COOL GREY



SURFACE 2.0 OUTDOOR MID GREY



SURFACE 2.0 OUTDOOR ASH




SURFACE 2.0 OUTDOOR SAND




SURFACE 2.0 OUTDOOR NIGHT

















Floor



Outdoor

R11

PORCELAIN TILES | Matt • Rectified • Smooth

NAME	COLOUR		SURFACE	60x60 cm			
SURFACE 2.0 OUTDOOR <div>20 mm</div>		COOL GREY	MATT	A06GZSUR-CGY.M0T5R			
		MID GREY	MATT	A06GZSUR-MGY.M0T5R			
		ASH	MATT	A06GZSUR-AS0.M0T5R			
		SAND	MATT	A06GZSUR-SN0.M0T5R			
		NIGHT	MATT	A06GZSUR-NT0.M0T5R			
Sizes (cm)	Thickness (mm)	Pieces X 	M² X 	Kg X 	 X  Eu. Pallet	M² X  Eu. Pallet	kg X  Eu. Pallet
60x60	20	2	0.72	32	30	21.6	981



OUTDOOR

TECHNICAL FEATURES

Porcelain Tiles (Bla - GL):

Porcelain tiles are manufactured using pure, selectively imported raw materials mixed using the most advanced extraction and sorting techniques; they are obtained with a production process similar to that of single-fired tiles.

The resulting product is a top-quality porcelain tile, obtained by raw materials wet grinding, followed by partial drying by spraying, silo storage to allow homogenisation of properties, and pressing with highly efficient hydraulic presses up to specific pressures more than 500 kg/cm². The high pressure combined with high firing temperature exceeding 1200°C results in a highly compact and strong ceramic surface with very low water absorption (lower than 0.1% according to UNI EN ISO 10545-3) and extremely high mechanical resistance (average value exceeding 50 N/mm² according to UNI EN ISO 10545-4). Thanks to their low porosity, these porcelain tiles are frost-proof and rated as belonging to the Bla GL class according to the European Standard UNI EN 14411 which requires water absorption ≤ 0.5%. The MoR (modulus of rupture) in accordance with UNI EN ISO 10545-4 results to 50 N/mm² while the required value is 35 N/mm². RAK Ceramics porcelain tiles are available in a wide range of designs, sizes and finishes.

















ADVICE ON LAYING

Although our porcelain tiles can be installed using traditional cement mortars, we advise using modern adhesives. When installing on walls, the two layer spreading system is recommended to perfectly wet the back of the tile.

Quickly dipping each tile in water before installation will remove any dust on the back of the tile for perfect adhesion. Do not wet the tiles if you are using vinyl, acrylic resin adhesives or two-component organic-solvent based adhesive.

It is advisable to incorporate suitable shrinkage - flexion joints (movement/expansion joints) when installing on large floors: the joints should never be spaced more than 4-5 linear metres apart indoors and 3 linear metres apart outdoors. Be careful while using strong coloured grouts as they might leave stains on the surface of the tiles that may be difficult to remove later.

PORCELAIN TILES (BLA - GL):

RAK Ceramics Specifications					
	Test Description	Standard Test Method	International Standard ISO 13006	(Rectified)	(Unrectified)
	Length & Width	BS EN ISO 10545-2	+/- 0.6%	+/- 0.1%	+/- 0.3%
	Thickness	BS EN ISO 10545-2	+/- 5.0%	+/- 5.0%	+/- 5.0%
	Rectangle Squareness	BS EN ISO 10545-2	+/- 0.6%	+/- 0.2%	+/- 0.4%
	Straightness of Sides	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.3%
	Surface Flatness	BS EN ISO 10545-2	+/- 0.5%	+/- 0.3%	+/- 0.3%
	Water Absorption	BS EN ISO 10545-3	<=0.5%	<=0.4%	<=0.4%
	Modulus of Rupture	BS EN ISO 10545-4	>=35 N/mm2	>=40 N/mm2	>=40 N/mm2
	Breaking Strength	BS EN ISO 10545-4	>=1300N	>=1500N	>=1600N
	Resistance to Surface Abrasion	BS EN ISO 10545-6	Manufacturer to state Abrasion Class	PEI Class 2 -5	PEI Class 2 -5
	Linear Thermal Expansion	BS EN ISO 10545-8	<=9x10 ⁻⁶ /°C ¹	<=7x10 ⁻⁶ /°C ¹	<=7x10 ⁻⁶ /°C ¹
	Resistance to Thermal Shock	BS EN ISO 10545-9	No visible defect	No visible defect	No visible defect
	Crazing Resistance	BS EN ISO 10545-11	No crazing	No crazing	No crazing
	Frost Resistance	BS EN ISO 10545-12	No visible damage	No visible damage	No visible damage
	Resistance to Chemicals	BS EN ISO 10545-13	No visible defect	No visible defect	No visible defect
	Resistance to Stains	BS EN ISO 10545-14	Manufacturer to state class	Stain removed Min. class 4	Stain removed Min. class 4
	Colour Resistance to UV Light	DIN 51094	No change in colour	No change in colour	No change in colour

Note : Shade variation across the batches is inherent to the manufacturing process and the pre-laying colour comparison is recommended

ICONS

COLOUR VARIATIONS



V1 EVEN

The least amount of shade variation attainable.



V2 LIGHT

Light to moderate shade variation within each carton.



V3 MEDIUM

Medium to high shade variation within each carton.

INDICATIONS FOR USE



WALL TILES



FLOOR TILES



COUNTERTOP SURFACE

SUGGESTED APPLICATIONS



DOMESTIC PURPOSE

Residential areas, hotel rooms, bathrooms



LIGHT COMMERCIAL TRAFFIC AREA

Indoor public areas subject to medium pedestrian traffic such as restaurants, bars, offices, shops, hotel public areas, convention rooms.



OUTDOOR

Outdoor public environments subject to medium pedestrian traffic such as outdoor terraces, stairs, corridors, raised paving, private garden, swimming pool and wellness areas. Always check the slipperiness characteristics according to the intended environment, in conformity with applicable regulations or laws.



HEAVY COMMERCIAL TRAFFIC AREA

Industrial floors such as warehouses, deposits, factories.

R RATING



R9

indicates a normal grip with an inclination plane from 3° to 10°



R10

indicates a medium grip with an inclination plane from 10° to 19°



R11

indicates a high grip with an inclination plane from 19° to 27°

CLASSIFICATION	TYPICAL APPLICATIONS	MEAN CRITICAL ANGLE VALUE
Class A	Barefoot, but mainly dry aisles and walkways, dry changing areas.	≥ 12 °
Class B	Shower rooms, pool surrounds, wet changing areas (plus all areas covered by Class A).	≥ 18 °
Class C	Areas constantly under water, e.g. steps into pools, foot baths, inclined pool surrounds, Jacuzzis (plus all areas covered by Class A and B).	> 24 °

In printing, colour of the products may differ slightly from actual, pictures are only for reference.

RAK CERAMICS
Bradford House,
Frenchmans Road,
Petersfield,
GU32 3AW
Tel: 01730 237850
Email: info.uk@rakceramics.com

[RAKCERAMICS.COM](https://www.rakceramics.com)

