

City Stone

Porcelain Tiles

FWB

Floors | Walls | Bathrooms



RAK
CERAMICS



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City Stone

STONE

City Stone

City Stone



Floor: City Stone Clay 75x75 cm



Floor: City Stone Beige 30x60 cm



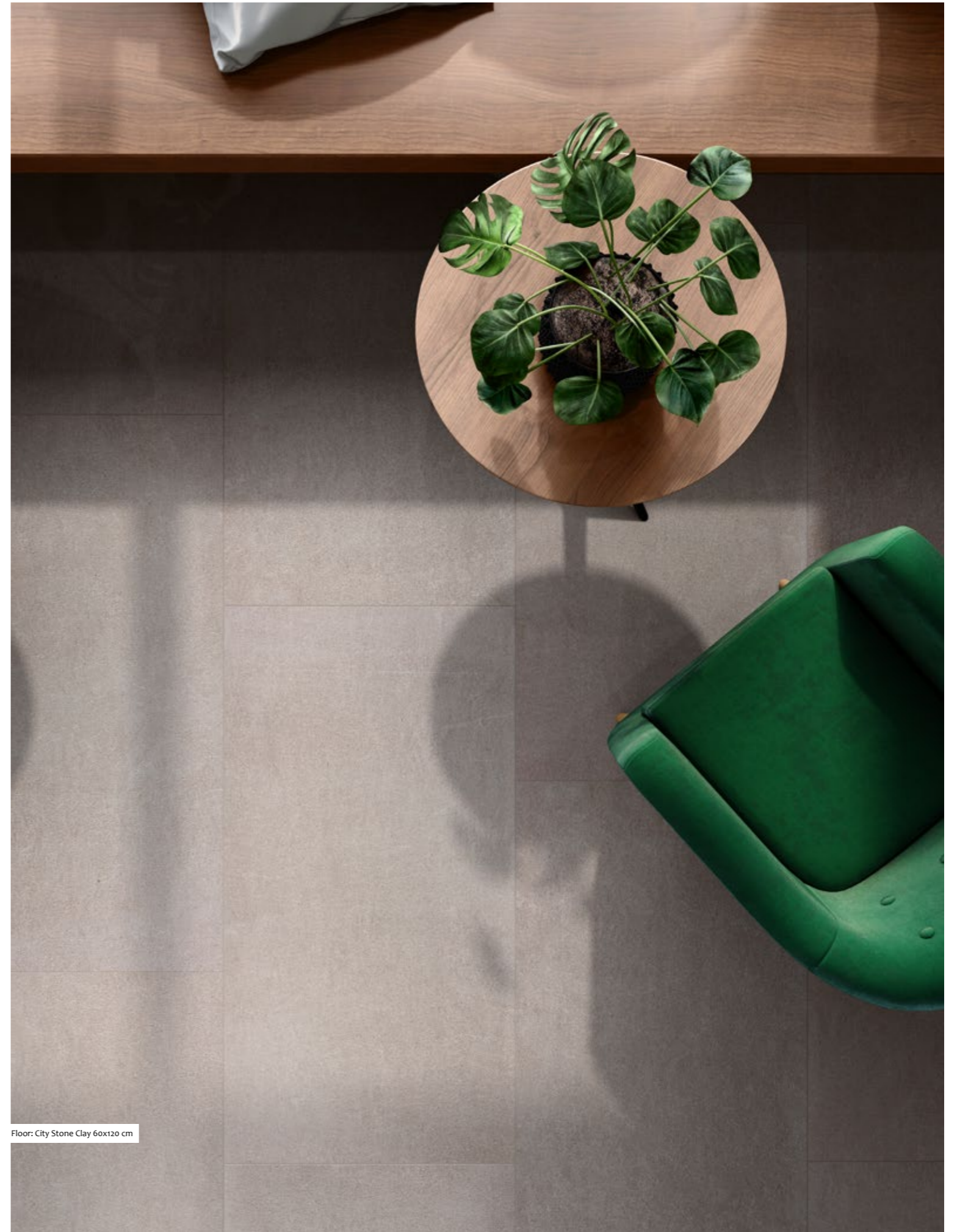
City Stone

Floor: City Stone Clay 75x75 cm

City Stone



Floor: City Stone Grey 30x60 cm



Floor: City Stone Clay 60x120 cm

City Stone



Wall and Floor: City Stone Beige 60x120 cm



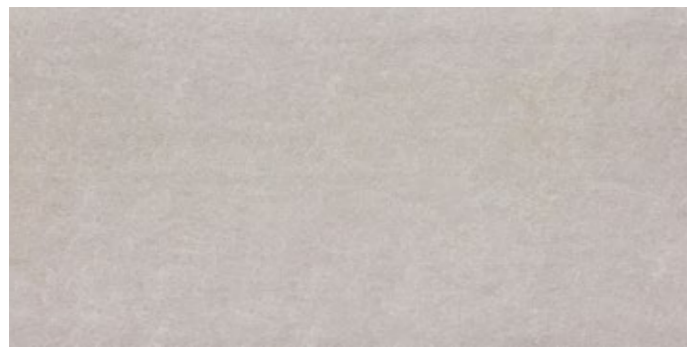
City Stone

Wall: City Stone Anthracite 75x75 cm, City Stone Anthracite Mosaic 25,5x29,5 cm,
Floor: City Stone Anthracite 75x75 cm.

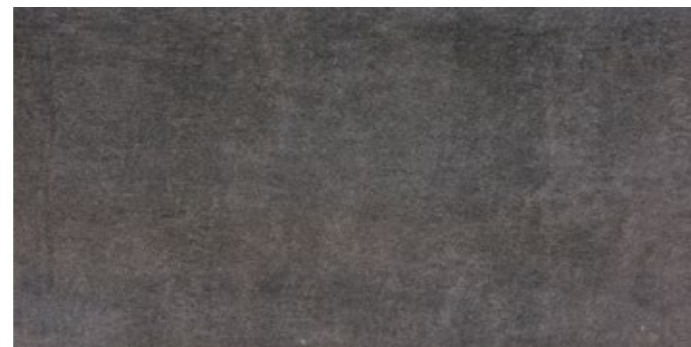
City Stone



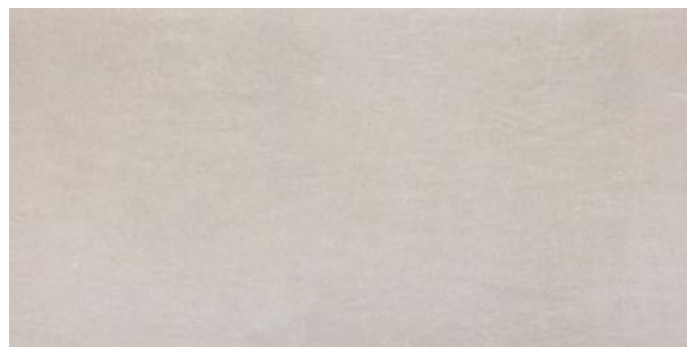
city stone bone



city stone grey



city stone anthracite

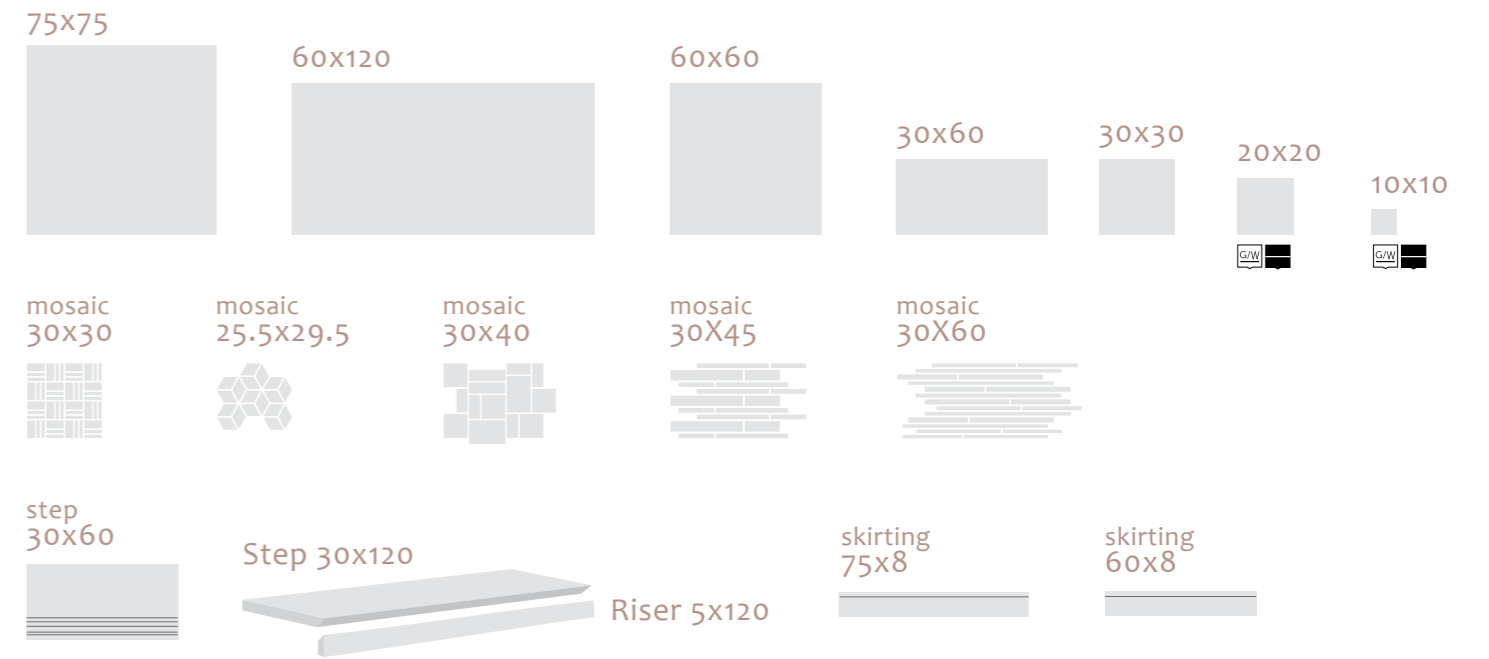


city stone beige



city stone clay

Sizes



Sizes (cm)	Thickness (mm)	Pieces X	M² X	Kg X	RM X	X Sq. Pallet	M² X Sq. Pallet	kg X Sq. Pallet	X Eu. Pallet	M² X Eu. Pallet	kg X Eu. Pallet
75x75	9	2	1.12	23.00	-	-	-	-	45	50.40	1056.00
60x120	9	2	1.44	29.00	-	-	-	-	30	43.20	891.00
60x60	9	4	1.44	28.00	-	-	-	-	36	51.84	1029.00
30x60	9	6	1.08	23.00	-	-	-	-	48	51.84	1125.00
30x30	8.5	13	1.17	22.80	-	81	94.77	1866.80	46	53.82	1068.00
20x20	7.5	27	1.08	17.00	-	125	135.00	2140.00	96	103.68	1650.00
10x10	6.8	108	1.08	15.50	-	108	116.64	1690.00	72	77.76	1135.00
Mosaic 30x30	9	10	-	14.00	-	-	-	-	48	-	672.00
Mosaic 25.5x29.5	9	10	-	17.50	-	54	-	980.00	-	-	-
Mosaic 30x40	9	8	-	13.00	-	-	-	-	48	-	624.00
Mosaic 30x45	9	6	-	15.00	-	-	-	-	30	-	450.00
Mosaic 30x60	9	6	-	17.00	-	-	-	-	30	-	510.00
Steps 30x60	9	6	-	18.00	-	-	-	-	48	-	900.00
Skirting 75x8	9	10	-	14.40	7.5	-	-	-	66	-	950.40
Skirting 60x8	9	18	-	19.00	-	80	-	1520.00	-	-	-

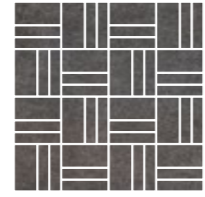
City Stone



city stone bone
mosaic 30x30



city stone grey
mosaic 30x30



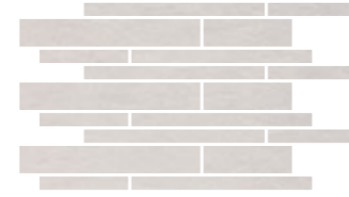
city stone anthracite
mosaic 30x30



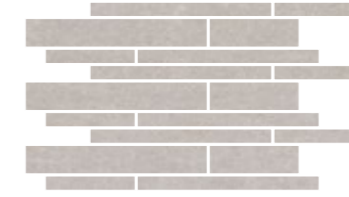
city stone beige
mosaic 30x30



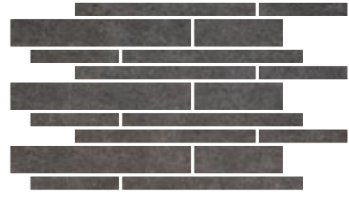
city stone clay
mosaic 30x30



city stone bone
mosaic 30x45



city stone grey
mosaic 30x45



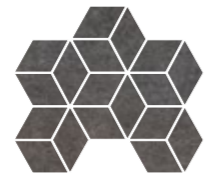
city stone anthracite
mosaic 30x45



city stone bone
mosaic 25.5x29.5



city stone grey
mosaic 25.5x29.5



city stone anthracite
mosaic 25.5x29.5



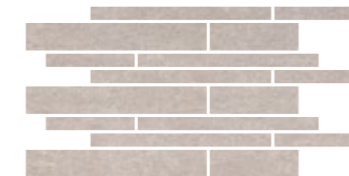
city stone beige
mosaic 25.5x29.5



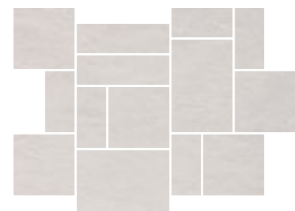
city stone clay
mosaic 25.5x29.5



city stone beige
mosaic 30x45



city stone clay
mosaic 30x45



city stone bone
mosaic 30x40



city stone grey
mosaic 30x40



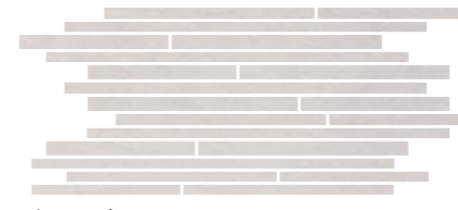
city stone anthracite
mosaic 30x40



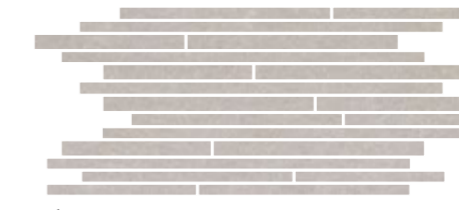
city stone beige
mosaic 30x40



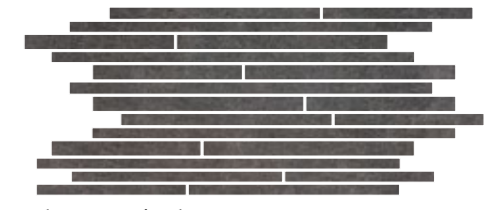
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mosaic 30x40



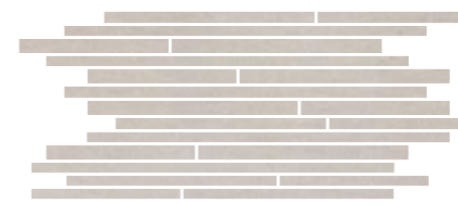
city stone bone
mosaic 30x60



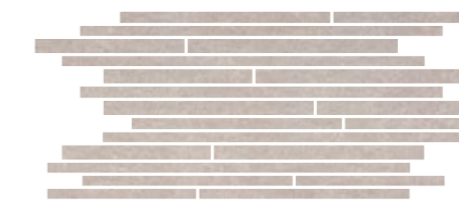
city stone grey
mosaic 30x60



city stone anthracite
mosaic 30x60



city stone beige
mosaic 30x60



city stone clay
mosaic 30x60

City Stone



Name	Code	Size(CM)	Code	Size(CM)	Code	Size(CM)	Code	Size(CM)
city stone anthracite	AGB75CTSEANTZMLS5R	75x75	AGB12CTSEANTZMLS5R	60x120	AGB06CTSEANTZMLNLR	60x60	AGB09CTSEANTZMLNLR	30x60
city stone bone	AGB75CTSEBNEZMLS5R	75x75	AGB12CTSEBNEZMLS5R	60x120	AGB06CTSEBNEZMLNLR	60x60	AGB09CTSEBNEZMLNLR	30x60
city stone grey	AGB75CTSEGRYZMLS5R	75x75	AGB12CTSEGRYZMLS5R	60x120	AGB06CTSEGRYZMLNLR	60x60	AGB09CTSEGRYZMLNLR	30x60
city stone clay	AGB75CTSECLAZMLS5R	75x75	AGB12CTSECLAZMLS5R	60x120	AGB06CTSECLAZMLNLR	60x60	AGB09CTSECLAZMLNLR	30x60
city stone beige	AGB75CTSEBEEZMLS5R	75x75	AGB12CTSEBEEZMLS5R	60x120	AGB06CTSEBEEZMLNLR	60x60	AGB09CTSEBEEZMLNLR	30x60
city stone anthracite	A00GCTSE-ANT.MoXoR	30x30	ASB20CTSEANTZMLNLU	20x20	ASB10CTSEANTZMLNLT	10x10		
city stone bone	A00GCTSE-BON.MoXoR	30x30	ASB20CTSEBNEZMLNLU	20x20	ASB10CTSEBNEZMLNLT	10x10		
city stone grey	A00GCTSE-GRY.MoXoR	30x30	ASB20CTSEGRYZMLNLU	20x20	ASB10CTSEGRYZMLNLT	10x10		
city stone clay	A00GCTSE-CLA.MoXoR	30x30	ASB20CTSECLAZMLNLU	20x20	ASB10CTSECLAZMLNLT	10x10		
city stone beige	A00GCTSE-BEE.MoXoR	30x30	ASB20CTSEBEEZMLNLU	20x20	ASB10CTSEBEEZMLNLT	10x10		
Name	Code	Size(CM)	Name	Code	Size(CM)			
city stone anthracite mosaic 30x30	AGMZZCTSEANT005613	30x30	city stone anthracite mosaic 29.8x39.8	AGMZZCTSEANT005601	30x40			
city stone bone mosaic 30x30	AGMZZCTSEBNE005615	30x30	city stone bone mosaic 29.8x39.8	AGMZZCTSEBNE005603	30x40			
city stone grey mosaic 30x30	AGMZZCTSEGRY005617	30x30	city stone grey mosaic 29.8x39.8	AGMZZCTSEGRY005605	30x40			
city stone clay mosaic 30x30	AGMZZCTSECLA005616	30x30	city stone clay mosaic 29.8x39.8	AGMZZCTSECLA005604	30x40			
city stone beige mosaic 30x30	AGMZZCTSEBEE005614	30x30	city stone beige mosaic 29.8x39.8	AGMZZCTSEBEE005602	30x40			
city stone anthracite mosaic 25.5x29.5	AGWZZCTSEANT005492	25.5x29.5	city stone anthracite mosaic 30x45	AGMZZCTSEANT005618	30x45			
city stone bone mosaic 25.5x29.5	AGWZZCTSEBNE005494	25.5x29.5	city stone bone mosaic 30x45	AGMZZCTSEBNE005620	30x45			
city stone grey mosaic 25.5x29.5	AGWZZCTSEGRY005496	25.5x29.5	city stone grey mosaic 30x45	AGMZZCTSEGRY005622	30x45			
city stone clay mosaic 25.5x29.5	AGWZZCTSECLA005495	25.5x29.5	city stone clay mosaic 30x45	AGMZZCTSECLA005621	30x45			
city stone beige mosaic 25.5x29.5	AGWZZCTSEBEE005493	25.5x29.5	city stone beige mosaic 30x45	AGMZZCTSEBEE005619	30x45			
city stone anthracite mosaic 30x60	AGMZZCTSEANT005623	30x60	city stone anthracite step	AGTZZCTSEANT005671	30x60			
city stone bone mosaic 30x60	AGMZZCTSEBNE005625	30x60	city stone bone step	AGTZZCTSEBNE005673	30x60			
city stone grey mosaic 30x60	AGMZZCTSEGRY005627	30x60	city stone grey step	AGTZZCTSEGRY005675	30x60			
city stone clay mosaic 30x60	AGMZZCTSECLA005626	30x60	city stone clay step	AGTZZCTSECLA005674	30x60			
city stone beige mosaic 30x60	AGMZZCTSEBEE005624	30x60	city stone beige step	AGTZZCTSEBEE005672	30x60			
city stone anthracite step	AGTZZCTSEANT005943	30x120	city stone anthracite riser	AGRZZCTSEANT005948	5x120			
city stone bone step	AGTZZCTSEBNE005945	30x120	city stone bone riser	AGRZZCTSEBNE005950	5x120			
city stone grey step	AGTZZCTSEGRY005947	30x120	city stone grey riser	AGRZZCTSEGRY005952	5x120			
city stone clay step	AGTZZCTSECLA005946	30x120	city stone clay riser	AGRZZCTSECLA005951	5x120			
city stone beige step	AGTZZCTSEBEE005944	30x120	city stone beige riser	AGRZZCTSEBEE005949	5x120			
city stone anthracite skirting	AGSZZCTSEANT005552	75x8	city stone anthracite skirting	AGSZZCTSEANT005506	60x8			
city stone bone skirting	AGSZZCTSEBNE005553	75x8	city stone bone skirting	AGSZZCTSEBNE005508	60x8			
city stone grey skirting	AGSZZCTSEGRY005543	75x8	city stone grey skirting	AGSZZCTSEGRY005510	60x8			
city stone clay skirting	AGSZZCTSECLA005554	75x8	city stone clay skirting	AGSZZCTSECLA005509	60x8			
city stone beige skirting	AGSZZCTSEBEE005542	75x8	city stone beige skirting	AGSZZCTSEBEE005507	60x8			

TECHNICAL FEATURES

PORCELAIN TILES (B1a - 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 top-quality porcelain tile, obtained by raw materials wet grinding, followed by partial drying by spraying, silo storage to allow homogenization 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 highly compact & 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 B1a 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. While installing on wall, 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 meters apart indoors and 3 linear meters 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.

TECHNICAL CHARACTERISTICS - PORCELAIN TILES (B1a - GL)

Test Description	Standard Test Method	International Standard ISO 13006	RAK Ceramics Specifications	
			(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/mm ²	>=40 N/mm ²	>=40 N/mm ²
 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 color	No change in color	No change in color

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

TECHNICAL FEATURES

GRES WHITE BODY TILES (BIIA) :

Gres white body tiles are created by mixing raw materials including high quality white or red clays, quartz and feldspar in wet grinding ball mills. After grinding, a clay-based suspension of these materials called a slip is fed out of the mill then spray-dried to remove excess moisture. Following the spray drying process, the free flowing powder is pressed using advanced hydraulic presses with a specific pressing power exceeding 300 kg/cm² in order to obtain a compact gres body. Once dried, the tiles are coated and decorated with glazes to make them aesthetically pleasing and meet our customers design requirements.

The glazed tile body is then fired in roller kilns where temperatures of approximately 1200 °C are reached. The resulting product is normally a medium-to-low porosity (3% to 6%) tile, in compliance with the UNI EN 14411 standard and rated as belonging to the BIla GL group with notable technological specifications such as the product flexural strength (average value: 30N/mm² according to UNI EN ISO 10545-4).

As for wear resistance, this will depend on the type and colour of glazing and may change according to different products or collections. As a general rule, bright finishes are not recommended for heavy traffic floors or rooms opening onto outdoor areas, where sand or other abrasive materials are more likely to be brought in.

ADVICE ON LAYING















Our gres white body tiles can be laid using either traditional cement mortar or modern tile adhesives. When laying large size tiles, it is best to adopt the two-layer spreading system to ensure the adhesive is spread over 90 % of the tile surface.

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

It is advisable to always incorporate suitable shrinkage-flexion joints (movement/expansion joints) which must not be spaced more than 4-5 metres apart from one another. These joints must be inserted not only between the tiles, but also reach the levelling compound below, consisting of either cement mortar or dry compound, depending on whether the tiles are set in the traditional manner or using a modern adhesive. The movement joints must be sealed with appropriate materials such as silicone or polyurethane-based sealants, depending on the anticipated traffic of the application area.

Appropriate tile bedding layers should be used such as underlay, damp course, vapour barrier or any other layer necessary to prevent the tiles from detaching themselves or cracking due to water penetration.

TECHNICAL CHARACTERISTICS - GRES WHITE BODY TILES (BIIA)

	Test Description	Standard Test Method	International Standard ISO 13006	RAK Ceramics Specifications
	Length & Width	BS EN ISO 10545-2	+/- 0.6%	+/- 0.3%
	Thickness	BS EN ISO 10545-2	+/- 5.0%	+/- 5.0%
	Rectangle Squareness	BS EN ISO 10545-2	+/- 0.5%	+/- 0.4%
	Straightness of sides	BS EN ISO 10545-2	+/- 0.5%	+/- 0.3%
	Surface Flatness	BS EN ISO 10545-2	+/- 0.5%	+/- 0.3%
	Water Absorption	BS EN ISO 10545-3	3% < E <= 6%	3% < E <= 6%
	Modulus of Rupture	BS EN ISO 10545-4	>=22 N/mm ²	>=30 N/mm ²
	Breaking Strength	BS EN ISO 10545-4		
	Thickness > = 7,5mm		>=1000N	>=1000N
	Thickness < = 7,5mm		>=600N	>=700N
	Resistance to surface abrasion	BS EN ISO 10545-7	Manufacturer to state Abrasion Class	Class 2 - 4
	Resistance to Thermal Shock	BS EN ISO 10545-9	No visible defect	No visible defect
	Crazing Resistance	BS EN ISO 10545-11	No crazing	No crazing
	Resistance to chemicals	BS EN ISO 10545-13	No visible effect	No visible effect
	Resistance to stains	BS EN ISO 10545-14	Manufacturer to state class	Stain removed Min. class 4
	Scratch Hardness : (Moh's)	EN 101	-	4 - 6

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

MAINTENANCE AND CLEANING OF TILES

Maintenance of ceramic and porcelain tiles on dry surfaces is relatively easy. RAK Ceramics tiles are highly scratch and stain resistant.

- By regularly sweeping the floor, you can help avoid scratches that small pebbles or sand can create.
- Make it a habit to always wipe the soles of your shoes on a mat before entering the house. Thoroughly wipe up any spills using plain warm water.
- While they are not likely to stain your ceramic tiles, spills may stain the grout between the tiles and if they are left to sit for too long, may also stain the actual tiles.
- Plain water is the ideal cleaner because it leaves no residue if you dry the surface of the tiles thoroughly after cleaning.
- If tiles are left wet after cleaning, there may be some unsightly mineral residue after the water dries, but this can easily be removed by spot cleaning.
- If stains resist cleaning with water alone, you can use a mild acidic solution, such as white vinegar. Use it highly diluted and rinse with plain water then dry.
- As food stains are acidic in nature, try using a mild alkaline solution.
- Use common detergents sparingly, rinse with plain water and dry thoroughly.

RAK CERAMICS CARE EXCLUSIVE POST INSTALLATION CLEANING SERVICE

We have collaborated with Fila, a leading company in cleaning, protection and maintenance of ceramic surfaces to offer an exclusive cleaning service to address our customers post installation concerns.

Cleaning after laying is of vital importance as a lot of unseen debris and reactive chemicals can affect the visual appearance of the ceramic material. With this new service, our customers can take advantage of Fila's professional on-site consultation. For more info please visit www.rakceramics.com



TILE-LAYING RECOMMENDATIONS

All RAK Ceramics products are subject to size and shade variations. Please check the size, batch number, caliber, tone, choice, color, quality of the pieces before the installation, as no claims will be accepted once the tiles are installed.

Place some tiles on the floor - 2 or 3 sqm - and check the overall technical and aesthetic characteristics with care and check if there is enough product to finish the work.

Manufacturer's responsibility is only limited to replacement of defective material if any, prior to fixing of tiles and we will not entertain claim of any nature after the tiles are installed.

Therefore, if any issue is found on the delivered product, the contractor for installation or the client should not install the tiles. The issue should be communicated to RAK Ceramics for investigation and further action for resolution as required.

The substrate must be a compact cement bed. Levelling system ensures flatness between tiles avoiding movements during the mortar setting. This reduces the time for the ceramic laying obtaining a perfect lippage-free finish. Avoid movements between the tiles due to the mortar setting.

The width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards. The grout colour should be selected according to the colour of the tile. We recommend to select a matching colour. Before using fine-grain coloured grout on lapped, polished or brushed products, always test it. If the pigment is very adhesive, it may be very difficult to remove.

We recommend to lay the tiles by using suitable adhesives for each kind of product and surface. As general rule, tiles must be installed in the same position. The minimum joint is 2 mm for rectified tiles, although we suggest a higher joint for big size products. After grouting, remove any excess product as quickly as possible by repeatedly washing the area with a sponge and water.

Steps to follow 1. First, set the tool to the scale according to the ceramic thickness. 2. Introduce the crossheads and continue laying the adjacent tiles. 3. Put the wedges in the crosshead manually. 4. Tighten the wedges with the pliers to level the pieces. 5. Allow for setting for the time recommended by the manufacturer of the adhesive cement. 6. Remove the crossheads. Hit the crosshead with a rubber mallet or with your foot in the direction of the joint. Do not hit the wedges.

The company will not accept any claim if this is due to the problems caused by not following these suggestions and instructions.



LATICRETE IS A RECOMMENDED PARTNER OF RAK CERAMICS

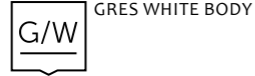
Product Guide

ICONS

TPOLOGY



PORCELAIN
TILES



GRES WHITE BODY

EDGE



RECTIFIED



STRAIGHT

SURFACE STRUCTURE



LIGHT
STRUCTURE

Tiles with an uneven, irregular surface, with a structure perceptible to the eye and touch.

FINISH



NATURAL

Pressed tiles without further work after firing.

SURFACE LOOK



MATT

Natural looking surface.

COLOUR VARIATIONS



V1 EVEN

The least amount of shade variation attainable.

INDICATIONS FOR USE



WALL TILES



FLOOR TILES

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.

R RATING TABLE

Collections	Typology	Colours	R N
City Stone	Porcelain Tiles	Bone	R10
		Grey	R10
		Anthracite	R10
		Beige	R10
		Clay	R10

Contact

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