

DETROIT METAL

Porcelain Tiles



RAK
CERAMICS

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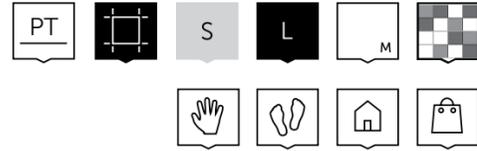


light grey 75x75 cm



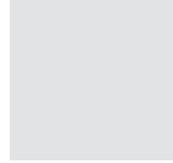
beige 60x120 cm

DETROIT METAL

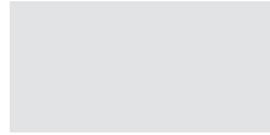


Sizes

75x75



60x120



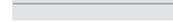
60x60



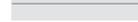
step
30x120



Skirting
75x8



skirting
60x8



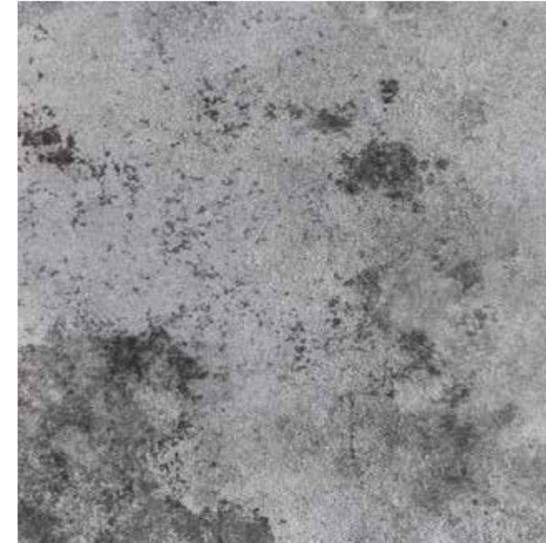
Name	Code	Size(CM)	Code	Size(CM)	Code	Size(CM)
detroit metal beige	AGB12DRMTBEEZMSS5L	60x120	AGB06DRMTBEEZMSNLL	60x60	AGB75DRMTBEEZMSS5L	75x75
detroit metal brown	AGB12DRMTBRNZMSS5L	60x120	AGB06DRMTBRNZMSNLL	60x60	AGB75DRMTBRNZMSS5L	75x75
detroit metal taupe	AGB12DRMTTPEZMSS5L	60x120	AGB06DRMTTPEZMSNLL	60x60	AGB75DRMTTPEZMSS5L	75x75
detroit metal light grey	AGB12DRMTLIGZMSS5L	60x120	AGB06DRMTLIGZMSNLL	60x60	AGB75DRMTLIGZMSS5L	75x75
detroit metal grey	AGB12DRMTGRYMSS5L	60x120	AGB06DRMTGRYMSNLL	60x60	AGB75DRMTGRYMSS5L	75x75

Name	Code	Size(CM)	Code	Size(CM)
detroit metal beige skirting	AGSZZDRMTBEE005816	75x8	AGSZZDRMTBEE005737	60x8
detroit metal brown skirting	AGSZZDRMTBRN005817	75x8	AGSZZDRMTBRN005738	60x8
detroit metal taupe skirting	AGSZZDRMTTPE005820	75x8	AGSZZDRMTTPE005815	60x8
detroit metal light grey skirting	AGSZZDRMTLIG005819	75x8	AGSZZDRMTLIG005814	60x8
detroit metal grey skirting	AGSZZDRMTGRY005818	75x8	AGSZZDRMTGRY005813	60x8

detroit metal beige step	AGTZZDRMTBEE005799	30x120	
detroit metal brown step	AGTZZDRMTBRN005800	30x120	
detroit metal taupe step	AGTZZDRMTTPE005803	30x120	
detroit metal light grey step	AGTZZDRMTLIG005802	30x120	
detroit metal grey step	AGTZZDRMTGRY005801	30x120	

Sizes (cm)	Thickness (mm)	Pieces X	M² X	Kg X	RM X	Sq. Pallet	M² X Sq. Pallet	kg X Sq. Pallet	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
Steps 30x120	9	2	0.72	20.00	-	-	-	-	-	-	-
Skirting 75x8	9	10	-	14.40	7.5	-	-	-	66	-	950.40
Skirting 60x8	9	18	-	19.00	-	80	-	1520.00	-	-	-

light grey



beige



grey



brown



taupe



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

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

TYPOLGY



EDGE



SURFACE STRUCTURE



Tiles with an even and regular surface, free from perceptible projections, lumps, or indentations.

FINISH



Semi polished/honed products achieved by polishing the tile's surface with an abrasive wheel, not long enough to attain the luster of a typical polished tile.

SURFACE LOOK



Natural looking surface.

COLOUR VARIATIONS



Medium to high shade variation within each carton.

INDICATIONS FOR USE



SUGGESTED APPLICATIONS



Residential areas, hotel rooms, bathrooms



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

Contact

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