

# Icons

## TPOLOGY



PORCELAIN  
TILES



FULL BODY  
PORCELAIN  
TILES



GRES WHITE BODY  
TILES

## EDGE



RECTIFIED



STRAIGHT

## SURFACE STRUCTURE



SMOOTH



LIGHT  
STRUCTURE



HEAVY  
STRUCTURE

## FINISH



NATURAL



LAPPATO



FULL  
LAPPATO



POLISHED



HONED

## SURFACE LOOK



MATT



SATIN



GLOSSY



HIGH  
GLOSSY

## COLOUR VARIATIONS



V1 EVEN



V2 LIGHT



V3 MEDIUM



V4 STRONG

## INDICATIONS FOR USE



WALL TILES



FLOOR TILES

## SUGGESTED APPLICATIONS



DOMESTIC  
PURPOSE



LIGHT  
COMMERCIAL  
TRAFFIC AREA



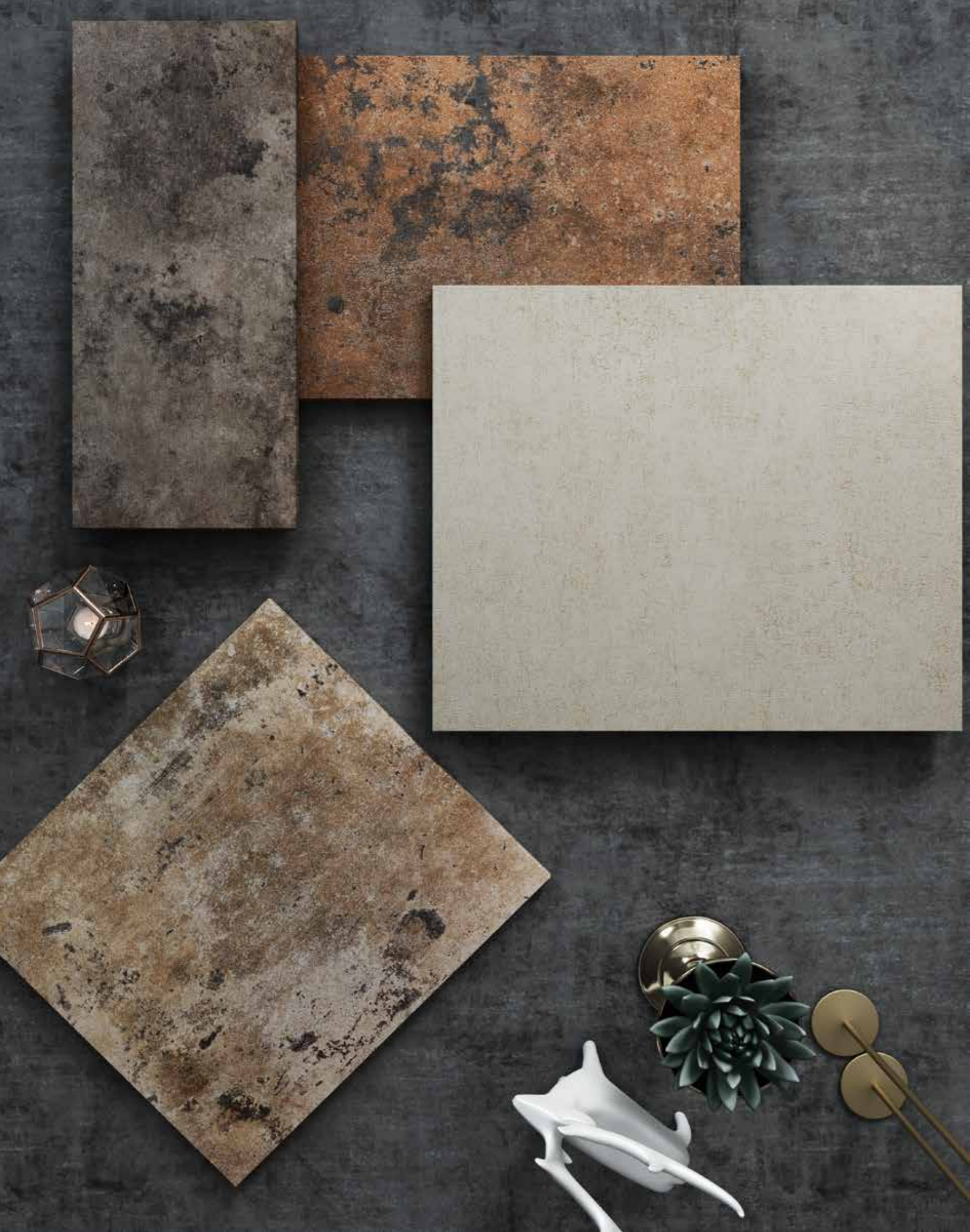
OUTDOOR



HEAVY  
COMMERCIAL  
TRAFFIC AREA



**RAK**  
CERAMICS



## Metal

*All the variations of a fascinating material*

RAK Ceramics celebrates the dramatic effects and contrasting colours created during the ageing process of raw metal. With a bold and arresting appearance, the Metal collection for wall and floor, is perfect for urban and industrial settings.

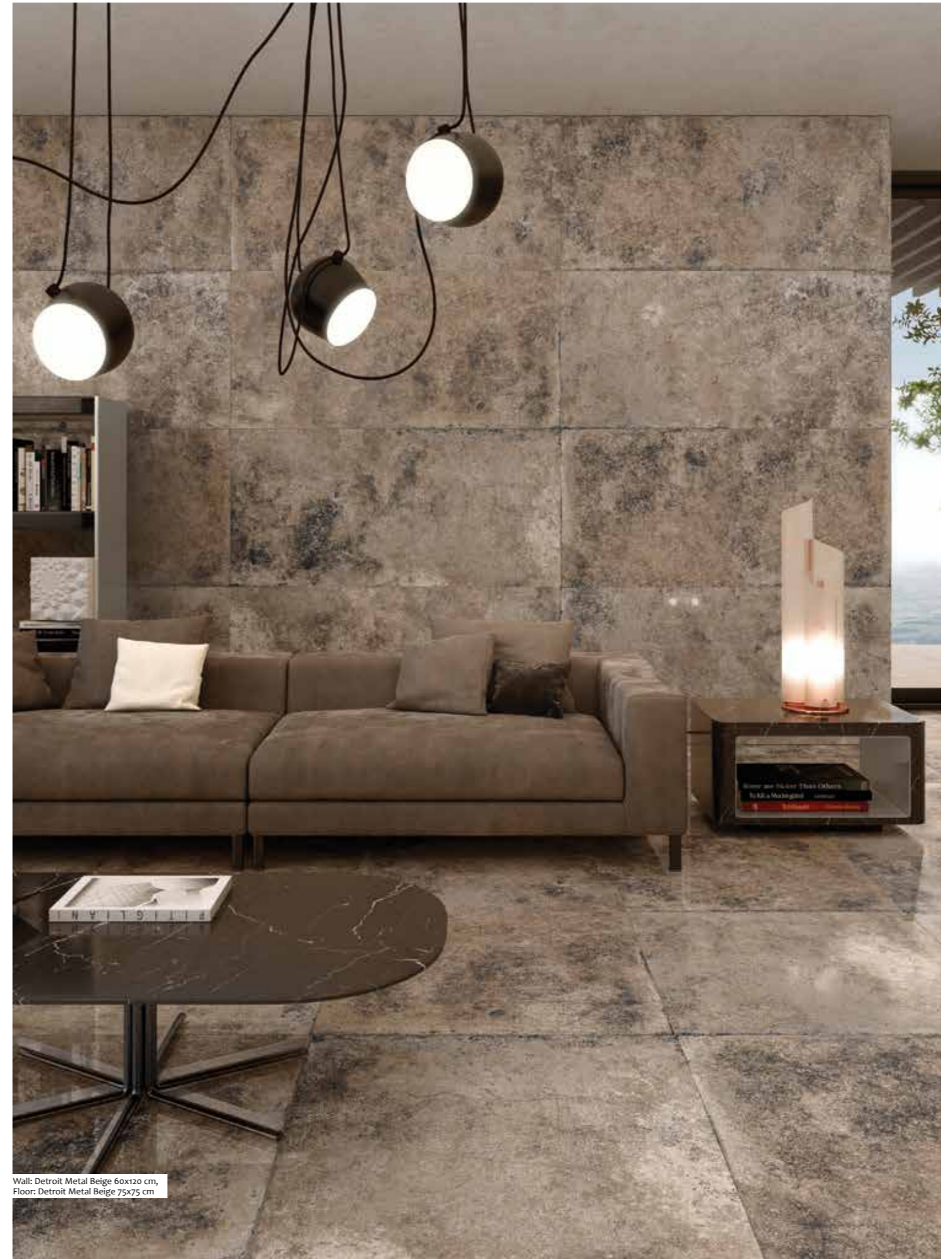
Metal-effect tiles are offered in a wide range of plain and decor range: roughly ground steel, aged bronze, rusty metal sheet, etc. The range perfectly matches with any interior and decorative style, giving life to spaces that are both elegant and surprising.



# Detroit Metal



Wall: Detroit Metal Brown 75x75 cm,  
Floor: Detroit Metal Brown 75x75 cm



Wall: Detroit Metal Beige 60x120 cm,  
Floor: Detroit Metal Beige 75x75 cm



Detroit Metal



Wall: Detroit Metal Grey 75x75 cm

METAL

# Detroit Metal



detroit metal beige



detroit metal brown



detroit metal taupe



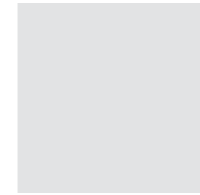
detroit metal light grey



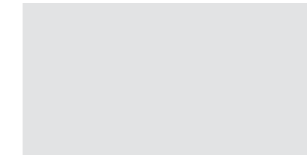
detroit metal grey

## Sizes

75x75 cm  
26.52"x26.52"



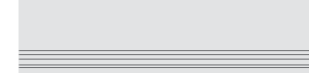
60x120 cm  
23.62"x47.24"



60x60 cm  
23.62"x23.62"



step  
30x120 cm  
11.81"x47.24"



skirting  
75x8 cm  
26.52"x3.14"



skirting  
60x8 cm  
23.62"x3.14"



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	AGB12DRMTGRYZMSS5L	60x120	AGB06DRMTGRYZMSNLL	60x60	AGB75DRMTGRYZMSS5L	75x75

Name	Code	Size(CM)	Code	Size(CM)
detroit metal beige skirting	AGSZDRMTBEE005816	75x8	AGSZDRMTBEE005737	60x8
detroit metal brown skirting	AGSZDRMTBRN005817	75x8	AGSZDRMTBRN005738	60x8
detroit metal taupe skirting	AGSZDRMTTPE005820	75x8	AGSZDRMTTPE005815	60x8
detroit metal light grey skirting	AGSZDRMTLIG005819	75x8	AGSZDRMTLIG005814	60x8
detroit metal grey skirting	AGSZDRMTGRY005818	75x8	AGSZDRMTGRY005813	60x8

detroit metal beige step	AGTZDRMTBEE005799	30x120		
detroit metal brown step	AGTZDRMTBRN005800	30x120		
detroit metal taupe step	AGTZDRMTTPE005803	30x120		
detroit metal light grey step	AGTZDRMTLIG005802	30x120		
detroit metal grey step	AGTZDRMTGRY005801	30x120		

Sizes (cm)	Thickness (mm)	Pieces X	M <sup>2</sup> X	Kg X	RM X	Sq. Pallet	M <sup>2</sup> X Sq. Pallet	kg X Sq. Pallet	Eu. Pallet	M <sup>2</sup> X Eu. Pallet	kg X Eu. Pallet
75x75	9	2	1.12	24.00	-	-	-	-	44	49.28	1077.00
60x120	9	2	1.44	30.00	-	-	-	-	30	43.20	921.00
60x60	9	4	1.44	30.00	-	-	-	-	30	43.20	921.00
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	-	-	-

**Product Guide**



## 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/cm<sup>2</sup>. 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 0.4% according to UNI EN ISO 10545-3) and extremely high mechanical resistance (average value exceeding 40 N/mm<sup>2</sup> 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 International Standard ISO 13006 and 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 40 N/mm<sup>2</sup> while the required value is 35 N/mm<sup>2</sup>. 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	+/- 0.5%	+/- 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 <sup>2</sup>	>=40 N/mm <sup>2</sup>	>=40 N/mm <sup>2</sup>
 Breaking Strength	BS EN ISO 10545-4	>=1300N	>=1600N	>=1600N
 Resistance to surface abrasion	BS EN ISO 10545-7	Manufacturer to state Abrasion Class	PEI Class 2 -5	PEI Class 2 -5
 Linear Thermal Expansion	BS EN ISO 10545-8	<=9x10 <sup>-6</sup> /°C <sup>1</sup>	<=7x10 <sup>-6</sup> /°C <sup>1</sup>	<=7x10 <sup>-6</sup> /°C <sup>1</sup>
 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

### FULL BODY PORCELAIN TILES (BIA - UGL) :

Full body 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/cm<sup>2</sup>. 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 40 N/mm<sup>2</sup> according to UNI EN ISO 10545-4).

Full body porcelain are suitable for heavy traffic areas as they are characterized by a deep abrasion resistance (equal to 150 mm<sup>3</sup> of removed material, as opposed to the 175 mm<sup>3</sup> provided for by the UNI EN ISO 10545-6 standard).

Thanks to their low porosity, these tiles are frost-proof and rated as belonging to the B1a UGL class according to the International Standard ISO 13006 and European Standard UNI EN 14411 which requires water absorption ≤ 0.5%.

Chemical acid and base resistance (UNI EN ISO 10545-13) makes full body porcelain tiles suitable for environments where aggressive chemicals are used, e.g. food processing factories, hospitals, chemical or pharmaceutical plants. The full bod porcelain tiles are available in a wide range of sizes and surfaces (slip-resistant finish also available).
















#### ADVICE ON LAYING

Although our full bod porcelain tiles can be installed using traditional cement mortars, we advise using modern adhesives. For large sizes over 40x40cm, outdoor and wall installations, 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 - FULL BODY PORCELAIN TILES (BIA - UGL)

Test Description	Standard Test Method	International Standard ISO 13006	RAK Ceramics Specifications	
			(Rectified)	(Unrectified)
 <b>Length &amp; Width</b>	BS EN ISO 10545-2	+/- 0.6%	+/- 0.1%	+/- 0.3%
 <b>Thickness</b>	BS EN ISO 10545-2	+/- 5.0%	+/- 5.0%	+/- 5.0%
 <b>Rectangle Squareness</b>	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.4%
 <b>Straightness of sides</b>	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.3%
 <b>Surface Flatness</b>	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.3%
 <b>Water Absorption</b>	BS EN ISO 10545-3	≤0.5%	≤0.1%	≤0.1%
 <b>Modulus of Rupture</b>	BS EN ISO 10545-4	≥35 N/mm <sup>2</sup>	≥40 N/mm <sup>2</sup>	≥40 N/mm <sup>2</sup>
 <b>Breaking Strength</b>	BS EN ISO 10545-4	≥1300N	≥1500N	≥1600N
 <b>Resistance to deep abrasion</b>	BS EN ISO 10545-6	≤175/mm <sup>3</sup>	≤150/mm <sup>3</sup>	≤150/mm <sup>3</sup>
 <b>Linear Thermal Expansion</b>	BS EN ISO 10545-8	≤9x10 <sup>-6</sup> /°C	≤7x10 <sup>-6</sup> /°C	≤7x10 <sup>-6</sup> /°C
 <b>Resistance to Thermal Shock</b>	BS EN ISO 10545-9	No visible defect	No visible defect	No visible defect
 <b>Frost Resistance</b>	BS EN ISO 10545-12	No visible damage	No visible damage	No visible damage
 <b>Resistance to chemicals</b>	BS EN ISO 10545-13	No visible defect	No visible defect	No visible defect
 <b>Resistance to stains</b>	BS EN ISO 10545-14	Manufacturer to state class	Stain removed Min. class 2	Stain removed Min. class 2
 <b>Colour Resistance to UV Light</b>	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/cm<sup>2</sup> 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 5%) tile, in compliance with the International Standard ISO 13006 and European Standard UNI EN 14411 standard and rated as belonging to the BI1a GL group with notable technological specifications such as the product flexural strength (average value: 30N/mm<sup>2</sup> 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%	+/- 0.4%
	Water Absorption	BS EN ISO 10545-3	3% < E <= 6%	3% <E <= 6%
	Modulus of Rupture	BS EN ISO 10545-4	>=22 N/mm <sup>2</sup>	>=30 N/mm <sup>2</sup>
	Breaking Strength	BS EN ISO 10545-4		
	Thickness > = 7,5mm		>=1000N	>=1100N
	Thickness < = 7,5mm		>=600N	>=800N
	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](http://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



ICONS

TPOLOGY



PORCELAIN  
TILES



FULL BODY  
PORCELAIN  
TILES



GRES WHITE BODY  
TILES

EDGE



RECTIFIED



STRAIGHT

SURFACE STRUCTURE



SMOOTH

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



LIGHT  
STRUCTURE

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



HEAVY  
STRUCTURE

Tiles with a highly irregular surface.

FINISH



NATURAL

Pressed tiles without further work after firing.



LAPPATO

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.



FULL  
LAPPATO

A ceramic lapping process performed with the finest abrasive grain, aimed at removing the smallest imperfections and glaze.



POLISHED

Pressed tiles with a smooth pad, subjected to a strong mechanical processing, by removing a significant amount of material after firing, making the surface bright.



HONED

A silky smooth surface, with a satin look, that is soft to the touch and pleasant to walk onto.

SURFACE LOOK



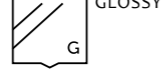
MATT

Natural looking surface.



SATIN

Satin-like surface look. Smooth and velvety to the touch.



GLOSSY

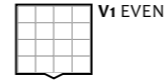
The resulting surface has a medium degree of reflection.



HIGH  
GLOSSY

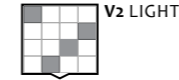
The final appearance of the surface is high reflective, almost mirror-like.

COLOUR VARIATIONS



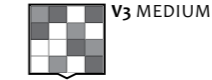
V1 EVEN

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.



V4 STRONG

Very high shade variation within each carton.

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.



INDUSTRIAL  
TRAFFIC AREA

Indoor public areas subject to heavy pedestrian traffic such as airports, railway and underground stations, shopping malls, schools, museums and libraries, hospitals, banks and public offices, car showrooms, sport centers, hotel lobbies.



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.







FACADE

Ventilated façade, low and high rise.

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



## R RATING TABLE



Collections	Typology	Colours	R 	R 
Alicante	Porcelain Tiles	Light Grey	R9	-
		Light Beige	R9	-
Ardesia	Porcelain Tiles	White	R9	-
Atlantis Marble	Porcelain Tiles	White	R10 / A	-
Basic Concrete	Porcelain Tiles	Grey	R9	-
		Beige	R9	-
		Dark Grey	R9	-
		Dark Beige	R9	-
Bavaria / Jade Stone	Porcelain Tiles	Bavaria Ivory	R10 / A+B	-
		Bavaria Beige	R10 / A+B	-
		Jade Stone Beige	R11 / A+B	-
Borgogna Stone	Porcelain Tiles	Anthracite	R10 / A+B	-
		Greige	R10 / A+B	R11 / A+B (20mm thickness)
		Beige	R10 / A+B	R11 / A+B (20mm thickness)
Bryce	Porcelain Tiles	Anthracite	-	R11 / A+B (20mm thickness)
		White	-	R11 / A+B (20mm thickness)
		Gold	-	R11 / A+B (20mm thickness)
Cementina	Porcelain Tiles	Grey	R9 / A	-
		Beige	R9 / A	-
		Anthracite	R9 / A	-
		Brown	R9 / A	-
Ceppo di Gre' Stone	Porcelain Tiles	Light Grey	R9	-
		Mid Grey	R9	-
		Beige	R9	-
City Stone	Porcelain Tiles	Bone	R10 / A	-
		Grey	R10 / A	-
		Anthracite	R10 / A	-
		Beige	R10 / A	-
		Clay	R10 / A	-
Core Stone	Porcelain Tiles	Grey	-	R11 / A+B (20mm thickness)
		Anthracite	-	R11 / A+B (20mm thickness)
		Beige	-	R11 / A+B (20mm thickness)
		Brown	-	R11 / A+B (20mm thickness)
Curton	Full Body Porcelain Tiles	White	R10 / A+B	R11 / A+B (Decor)
		Taupe	R10 / A+B	R11 / A+B (Decor)
		Grey	R10 / A+B	R11 / A+B (Decor)
		Beige	R10 / A+B	R11 / A+B (Decor)
Earth Stone	Full Body Porcelain Tiles	Cement Grey	R9 / A	-
		Clay Grey	R9 / A	-
		Talc Ivory	R9 / A	-

Collections	Typology	Colours	R 	R 
Fashion Stone	Porcelain Tiles	Light Grey	R10 / A	R11 / A+B (60x60, 20mm thickness)
		Grey	R10 / A	R11 / A+B (60x60, 20mm thickness)
		Black	R10 / A	R11 / A+B (60x60, 20mm thickness)
		White	R10 / A	R11 / A+B (60x60, 20mm thickness)
		Beige	R10 / A	R11 / A+B (60x60, 20mm thickness)
		Clay	R10 / A	R11 / A+B (60x60, 20mm thickness)
Fusion Stone	Porcelain Tiles	Grey	R10 / A	-
		Dark Grey	R10 / A	-
		Black	R10 / A	-
		Ivory	R10 / A	-
		Beige	R10 / A	-
Lapitech Stone	Full Body Porcelain Tiles	Greige	R10 / A	-
		White	R10 / A+B+C	-
		Black	R10 / A+B+C	-
		Slate Grey	R10 / A+B+C	-
		Dark Grey	R10 / A+B+C	-
		Beige	R10 / A+B+C	-
Laguna Cement Wood	Porcelain Tiles	Original	R10 / A+B+C	-
		Pece	R10 / A+B+C	-
		Light Grey	R11 / A+B	-
		Wood Grey	R11 / A+B	-
		Light Grey	R11 / A+B	-
Lava Concrete	Full Body Porcelain Tiles	White	R10 / A+B+C	-
		Light Grey	R10 / A+B+C	-
		Dark Grey	R10 / A+B+C	-
		Beige	R10 / A+B+C	-
Line Wood	Porcelain Tiles	Ivory	R10 / A	R11 / A+B
		Beige	R10 / A	R11 / A+B
		Dark Beige	R10 / A	R11 / A+B
		Brown	R10 / A	R11 / A+B
		Dark Brown	R10 / A	R11 / A+B
Lime Rock	Porcelain Tiles	White	R10	-
		Wam Grey	R10	-
		Grey	R10	-
		Anthracite	R10	-
		Ivory	R10	-
		Beige	R10	-
Lotus	Porcelain Tiles	Iron	R10	-
		Grey	R9	-
		Ivory	R9	-
		Anthracite	R9	-
		Black	R9	-



## R RATING TABLE

Collections	Typology	Colours	R 	R 
Lounge	Full Body Porcelain Tiles	Grey	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Warm Anthracite	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Anthracite	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Dark Anthracite	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Black	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Ivory	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Light Grey	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Beige	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Beige Brown	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
		Coffee Brown	R9 / A	R11 / A+B (30x60, 60x60 & 100x100 cm)
Meleca	Porcelain Tiles	Grey	R9	-
		Light Beige	R9	-
Mix Wood	Porcelain Tiles	Ash	R10 / A	-
		Olive	R10 / A	-
		Pine	R10 / A	-
		Wenge	R10 / A	-
Montana	Porcelain Tiles	White	R9 / A	-
		Grey	R9 / A	-
		Ivory	R9 / A	-
		Brown	R9 / A	-
Newport	Full Body Porcelain Tiles	Light Grey	R9 / A+B	-
		Anthracite	R9 / A+B	-
		Ivory	R9 / A+B	-
Plank Wood	Full Body Porcelain Tiles	White	R10 / A+B+C	-
		White 2	R10 / A+B+C	-
		Ivory	R10 / A+B+C	-
		Beige	R10 / A+B+C	-
		Grey	R10 / A+B+C	-
		Black	R10 / A+B+C	-
Pietra Piasentina	Full Body Porcelain Tiles	Grey	R10 / A+B+C	-
		Beige	R10 / A+B+C	-
Runway	Full Body Porcelain Tiles	White	R10 / A	-
		Grey	R10 / A	-
		Black	R10 / A	-
		Ivory	R10 / A	-
		Beige	R10 / A	-
Rhode Island	Porcelain Tiles	White	R9	-
		Anthracite	R9	-
		Light Grey	R9	-
		Dark Grey	R9	-
		Ivory	R9	-
		Beige	R9	-
		Clay	R9	-

Collections	Typology	Colours	R 	R 
Salt & Pepper	Full Body Porcelain Tiles	White	R9 / A	-
		Dark Grey	R9 / A	-
		Brown	R9 / A	-
		Black	R9 / A	-
		Light Beige	R9 / A	-
		Beige	R9 / A	-
		Light Ivory	R9 / A	-
		Dark Ivory	R9 / A	-
Select Wood	Porcelain Tiles	Ice	R10 / A	-
		Bone	R10 / A	-
		Nut	R10 / A	-
		Oak	R10 / A	-
		Brown	R10 / A	-
		Dark Brown	R10 / A	-
		African Ash	R10 / A	-
Sigurt Wood	Porcelain Tiles	Scandinavian Oak	R10 / A	-
		Brown Elm	R10 / A	-
		Siberian Grey	R10 / A	-
		Black Forest	R10 / A	-
		White	R10	-
Silver Stone	Porcelain Tiles	Light Grey	R10	-
		Ivory	R10	-
		beige	R10	-
		Grey	R10	-
		Black	R10	-
Sugar	Porcelain Tiles	Light Grey	R10 / A+B	-
		Dark Grey	R10 / A+B	-
		Ivory	R10 / A+B	-
		Cafe	R10 / A+B	-
		Binaco	R10 / A+B	-
		Cool Grey	R10 / A+B	-
Surface 2.0	Porcelain Tiles	Mid Grey	R10 / A+B	-
		Ash	R10 / A+B	-
		Off White	R10 / A+B	-
		Clay	R10 / A+B	-
		Charcoal	R10 / A+B	-
		Sand	R10 / A+B	-
		Light Sand	R10 / A+B	-
		Greige	R10 / A+B	-
		Dark Greige	R10 / A+B	-
		Surface 2.0 Outdoor	Porcelain Tiles	Cool Grey
Ash	-			R11 / A+B (20mm thickness)
Night	-			R11 / A+B (20mm thickness)
Mid Grey	-			R11 / A+B (20mm thickness)
Sand	-			R11 / A+B (20mm thickness)
Sand	-			R11 / A+B (20mm thickness)
Valley Stone	Full Body Porcelain Tiles	Dark Grey	R10 / A+B+C	-
		Light Grey	R10 / A+B+C	-
		Beige	R10 / A+B+C	-

**RAK**  
CERAMICS