Metal

Porcelain Tiles
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

METAL

Wall: Detroit Metal Beige 60x60 cm,
Floor: Detroit Metal Beige 75x75 cm

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

Detroit Metal Beige 60x120 cm
Detroit Metal

Sizes

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Size (CM)</th>
<th>Code</th>
<th>Size (CM)</th>
<th>Code</th>
<th>Size (CM)</th>
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<tbody>
<tr>
<td>Detroit metal beige</td>
<td>AGB12DRMTBEEZMSS5L</td>
<td>60x120</td>
<td>AGB06DRMTBEEZMSNLL</td>
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<td>AGB75DRMTBEEZMSS5L</td>
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### Detroit Metal Beige Skirting

<table>
<thead>
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<tr>
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### Detroit Metal Brown Skirting

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### Detroit Metal Taupe Skirting

<table>
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<th>Code</th>
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<tr>
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<td>AGSZZDRMTTPE005820</td>
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### Detroit Metal Light Grey Skirting

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### Detroit Metal Grey Skirting

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### Detroit Metal Beige Step

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### Detroit Metal Brown Step

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### Detroit Metal Taupe Step

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### Detroit Metal Light Grey Step

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### Detroit Metal Grey Step

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### Sizes (cm) Thickness (mm) Pieces X Sq. Pallet Kg X Sq. Pallet Kg X Eu. Pallet

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Size (CM)</th>
<th>Thickness (mm)</th>
<th>Pieces X Sq. Pallet</th>
<th>Kg X Sq. Pallet</th>
<th>Kg X Eu. Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>75x75</td>
<td></td>
<td></td>
<td>9</td>
<td>2</td>
<td>1.12</td>
<td>23.00</td>
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<tr>
<td>60x120</td>
<td></td>
<td></td>
<td>9</td>
<td>2</td>
<td>1.44</td>
<td>29.00</td>
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<tr>
<td>60x60</td>
<td></td>
<td></td>
<td>9</td>
<td>4</td>
<td>1.44</td>
<td>28.00</td>
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<tr>
<td>Step 30x120</td>
<td></td>
<td></td>
<td>9</td>
<td>2</td>
<td>0.72</td>
<td>20</td>
</tr>
<tr>
<td>Skirting 75x8</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
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</table>
# Sparko

## Sizes

### 60x60

<table>
<thead>
<tr>
<th>Name</th>
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<th>Size(CM)</th>
<th>Code</th>
<th>Size(CM)</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Sparko white</td>
<td>A06GZSPR-WH0.M0L</td>
<td>60x60</td>
<td>A09GZSPR-WH0.M0L</td>
<td>30x60</td>
<td>Sparko white mosaic 5x5 AM-30ZSPR-WH/5 30x30</td>
</tr>
<tr>
<td>Sparko beige</td>
<td>A06GZSPR-BE0.M0L</td>
<td>60x60</td>
<td>A09GZSPR-BE0.M0L</td>
<td>30x60</td>
<td>Sparko beige mosaic 5x5 AM-GPJ-SPR-BE/5 30x30</td>
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<tr>
<td>Sparko white</td>
<td>ASK-6GP-SPRK-WH</td>
<td>60x8</td>
<td></td>
<td></td>
<td>Sparko white brick mosaic AM-GPSPR-WH/BRK 30x30</td>
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<tr>
<td>Sparko beige</td>
<td>ASK-6GP-SPRK-BE</td>
<td>60x8</td>
<td></td>
<td></td>
<td>Sparko beige brick mosaic AM-GPJ-SPR-BE/BRK 30x30</td>
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### Mosaic 30x30

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Sparko white</td>
<td>AM-30ZSPR-WH/5</td>
<td>30x30</td>
<td>AM-GPJ-SPR-BE/5</td>
<td>30x30</td>
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<tr>
<td>Sparko beige</td>
<td>AM-30ZSPR-BE/5</td>
<td>30x30</td>
<td>AM-GPJ-SPR-BE/BRK</td>
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### Skirting 60X8

<table>
<thead>
<tr>
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<th>Code</th>
<th>Size(CM)</th>
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<tbody>
<tr>
<td>Sparko white</td>
<td>ASK-6GP-SPRK-WH</td>
<td>60x8</td>
<td></td>
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</tr>
<tr>
<td>Sparko beige</td>
<td>ASK-6GP-SPRK-BE</td>
<td>60x8</td>
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### Metal

<table>
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<th>Name</th>
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<th>Code</th>
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<tr>
<td></td>
<td></td>
<td>30x60</td>
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<td>30x50</td>
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### Sizes (cm) Thickness Pieces X M2 X Sq. Pallet Kg X X Sq. Pallet X Eu. Pallet M2 X Sq. Pallet kg X X Eu. Pallet X

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness (mm)</th>
<th>Pieces</th>
<th>Kg</th>
<th>Sq. Pallet</th>
<th>Kg</th>
<th>Sq. Pallet</th>
<th>Kg</th>
<th>Eu. Pallet</th>
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</thead>
<tbody>
<tr>
<td>60x60</td>
<td>9</td>
<td>4</td>
<td>38.00</td>
<td>1.44</td>
<td>28.00</td>
<td>51.84</td>
<td>1029.00</td>
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<tr>
<td>30x60</td>
<td>9</td>
<td>6</td>
<td>23.00</td>
<td>1.08</td>
<td>23.00</td>
<td>51.84</td>
<td>1125.00</td>
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</tr>
<tr>
<td>Mosaic 30x30</td>
<td>9</td>
<td>10</td>
<td>-</td>
<td>14.00</td>
<td>-</td>
<td>672.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brick Mosaic 30x30</td>
<td>9</td>
<td>10</td>
<td>-</td>
<td>14.00</td>
<td>-</td>
<td>672.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skirting 60x8</td>
<td>9</td>
<td>18</td>
<td>80</td>
<td>19.00</td>
<td>-</td>
<td>1520.00</td>
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</table>
### TECHNICAL FEATURES

**PORCELAIN TILES (BIa - 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 products are top-quality porcelain tiles, obtained by raw materials wet grinding, followed by partial drying by spraying, to allow homogenization of properties, and pressing with highly efficient hydraulic pressures 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 0.5% 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 BIa-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 styoil, 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 (BIa - GL)

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Standard Test Method</th>
<th>International Standard ISO (Joint)</th>
<th>RAK Ceramic Specifications</th>
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<tbody>
<tr>
<td>Thickness</td>
<td>BS EN ISO 10545-2</td>
<td>+/-5.0%</td>
<td>+/- 5.0% or +/- 5.0%</td>
</tr>
<tr>
<td>Rectangle Squareness</td>
<td>BS EN ISO 10545-2</td>
<td>+/- 0.6%</td>
<td>+/- 0.2% or +/- 0.4%</td>
</tr>
<tr>
<td>Straightness of sides</td>
<td>BS EN ISO 10545-2</td>
<td>+/- 0.5%</td>
<td>+/- 0.2% or +/- 0.3%</td>
</tr>
<tr>
<td>Surface Flatness</td>
<td>BS EN ISO 10545-2</td>
<td>+/- 0.5%</td>
<td>+/- 0.3% or +/- 0.3%</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>BS EN ISO 10545-3</td>
<td>&lt;=0.5%</td>
<td>&lt;=0.4% or &lt;=0.4%</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>BS EN ISO 10545-4</td>
<td>&gt;=35 N/mm²</td>
<td>&gt;=40 N/mm² or &gt;=40 N/mm²</td>
</tr>
<tr>
<td>Breaking Strength</td>
<td>BS EN ISO 10545-4</td>
<td>&gt;=1300 N</td>
<td>&gt;=1500 N or &gt;=1600 N</td>
</tr>
<tr>
<td>Resistance to surface abrasion</td>
<td>BS EN ISO 10545-6</td>
<td>Manufacturer to state abrasion Class</td>
<td>PEI Class 2 -5</td>
</tr>
<tr>
<td>Linear Thermal Expansion</td>
<td>BS EN ISO 10545-8</td>
<td>&lt;=9x10^-6°C</td>
<td>&lt;=7x10^-6°C or &lt;=7x10^-6°C</td>
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<tr>
<td>Resistance to Thermal Shock</td>
<td>BS EN ISO 10545-9</td>
<td>No visible defect</td>
<td>No visible defect or No visible defect</td>
</tr>
<tr>
<td>Graining Resistance</td>
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<td>No crazing</td>
<td>No crazing or No crazing</td>
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<tr>
<td>Frost Resistance</td>
<td>BS EN ISO 10545-10</td>
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<td>No visible damage or No visible damage</td>
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<td>Resistance to chemicals</td>
<td>BS EN ISO 10545-11</td>
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<td>No visible defect or No visible defect</td>
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<tr>
<td>Resistance to stains</td>
<td>BS EN ISO 10545-12</td>
<td>Manufacturer to state class: 2</td>
<td>Stain removed to class 4</td>
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<tr>
<td>Colour Resistance to UV Light</td>
<td>DIN 52094</td>
<td>No change in color</td>
<td>No change in color or No change in color</td>
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</table>

**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.
- 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

LATICRETE IS A RECOMMENDED PARTNER OF RAK CERAMICS

RAK CERAMICS | 2020
**ICONS**

**TYPOLOGY**
- Porcelain Tiles

**SURFACE STRUCTURE**
- Smooth
  - Tiling with an even and regular surface, free from perceptible projections, lumps, or indentations.

**SURFACE LOOK**
- Matt
  - Natural looking surface.

**COLOUR VARIATIONS**
- 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.

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

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**R RATING TABLE**

<table>
<thead>
<tr>
<th>Collection</th>
<th>Typology</th>
<th>Colours</th>
<th>R</th>
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<tbody>
<tr>
<td>Detroit Metal</td>
<td>Porcelain Tile</td>
<td>Beige</td>
<td>R10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brown</td>
<td>R10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Taupe</td>
<td>R10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Light Grey</td>
<td>R10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Grey</td>
<td>R10</td>
</tr>
<tr>
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<td>Porcelain Tile</td>
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<td>R9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Beige</td>
<td>R9</td>
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**COLOURS**

- Beige
- Brown
- Taupe
- Light Grey
- Grey
- White
- Beige