

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup>-530

(formerly MTile 530)

COLOURED, WATER RESISTANT, POLYMER MODIFIED, CEMENTITIOUS TILE GROUT

### DESCRIPTION

SikaCeram<sup>®</sup>-530 is a 1-component, fine, coloured, polymer modified, unsanded cementitious tile grout for joints up to 6 mm width. When mixed with water, provides a smooth, easily applied creamy paste for clean grouting of tiles. It sets to a decorative water-resistant finish suitable to be used as grout for ceramic, porcelain and moisture resistant natural stones tiles. It is particularly used in conjunction with SikaCeram<sup>®</sup> range of tile adhesives. Suitable to use in hot and tropical climatic conditions.

### USES

SikaCeram<sup>®</sup>-530 is suitable for grouting joints in:

- Ceramic tiles
- Porcelain tiles
- Moisture resistant marble and stone
- Suitable for indoor and outdoor application

### PRODUCT INFORMATION

<b>Chemical Base</b>	Blend of cement, fillers and organic additives
<b>Packaging</b>	5 kg and 18 kg bags
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +10°C and +40°C. Protect from direct sunlight, heat and moisture. Avoid excessive compaction.
<b>Density</b>	~1.78 kg/l (mixed, at 25°C)

### CHARACTERISTICS / ADVANTAGES

- Easy to use, requires only the addition of water
- Hardens without cracking or shrinkage in joints up to 6 mm width
- Water-resistant
- Good abrasion resistance
- Very good adhesion to unglazed surfaces
- Available in various colours
- Resistant to mould growth

### APPROVALS / STANDARDS

SikaCeram<sup>®</sup>-530 complies to requirements of EN 13888 for class CG2 and ANSI 118.7.

## APPLICATION INFORMATION

<b>Consumption</b>	Consumption of SikaCeram®-530 depends on the size of the tiles and the dimension of the joints. Consumption of tile grout can be also calculated through the following formula: $((L1+ L2) \times W \times T \times D) / (L1 \times L2)$ , where: <ul style="list-style-type: none"><li>▪ L1 = Length of tile (mm) - First side</li><li>▪ L2 = Length of tile (mm) - Second side</li><li>▪ W = Joint width (mm)</li><li>▪ T = Tile thickness (mm)</li><li>▪ D = Fresh mortar density of tile grout (kg/l)</li></ul> Note: Final result will be in kg/m <sup>2</sup> .
<b>Yield</b>	~3.75 L / 5 kg bag ~13.5 L / 18 kg bag
<b>Mixing Ratio</b>	Cold, clean water by weight of powder: <ul style="list-style-type: none"><li>▪ 1.65 L per 5 kg bag</li><li>▪ 5.94 L per 18 kg bag</li></ul>
<b>Pot Life</b>	~30 min at 25°C

## BASIS OF PRODUCT DATA

- All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference -Version: MBS\_CC-UAE/Tile\_530\_09\_01/v5/07\_17/v6/04\_18/v7/09\_19/v8/02\_21

## LIMITATIONS

- Certain types of tile may stain when in contact with coloured cement grouts, it is therefore advisable to consult the tile manufacturer and carry out trial before use.
- For natural stone tiles susceptible to staining, please contact Sika Technical Services.
- Do not exceed the recommended amount of water in the mix. The mix must never be fluid.
- When coloured materials are applied for aesthetics such as on polished porcelain or natural stone tiles, always carry out cleanability testing prior to the application.
- On highly absorbent tiles, it is always recommended to thoroughly pre-dampen the surface (SSD) before grouting.
- Always apply SikaCeram®-530 in a continuous operation and do not interrupt this for more than two hours in the same room or area of tiling.
- Do not add anything to the product that is not specified in this Product Data Sheet.
- For brick, marble and stone trial grouting is recommended to check staining effect.
- Do not use acid based cleaner to wipe down SikaCeram®-530.

- Excess water and ventilation, temperature variations, application on very porous tiles or on substrates leading to rapid water absorption etc. can result in colour shade variations.
- Avoid significant temperature variation during application and setting times, as well as excessive draughts, forced ventilation or winds.
- Avoid application in direct sunlight.
- Prevent water contact with the freshly applied material during cleaning operations, or from excess atmospheric humidity and condensation or residual moisture in the substrate, etc..
- Protect freshly applied material from rain and water splashes until cured.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

# APPLICATION INSTRUCTIONS

## SUBSTRATE QUALITY / PRE-TREATMENT

- Substrates must be properly cured, structurally sound, clean, dry and free of all contaminants such as dust, dirt, oil, grease, cement laitance, efflorescence, previous coatings, or any other surface treatments or obstructions such as excess tile adhesive, tile joint spacers, etc..
- Depending on the contaminants to be removed, perform adequate preparation techniques, such as jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion on the substrate.
- For applications in hot climates / environments, or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark-matt / wet surface appearance i.e. it must be saturated surface dry (SSD).

## MIXING

Pour the recommended amount of water into a suitable, clean mixing container. Stir slowly, whilst slowly adding the SikaCeram®-530 powder to the water and then mix thoroughly using a low speed (<400 rpm.) drill mixer until the material is fully homogeneous and lump free.

After mixing, leave the product to stand and 'mature' for ~15 minutes, then briefly stir again prior to application. The finished mix has a very creamy consistency, is uniformly coloured and it is easy to apply and spread.

## APPLICATION

Note: Allow at least 24 hours between fixing tiles and grouting.

SikaCeram®-530 is applied using a rubber trowel using cross-hatch techniques, taking care to ensure the joints are filled uniformly across the whole width and along their full length.

Using the same blade/trowel in a vertical position, remove the excess from the surface of the tiles.

When the material starts to set, it is possible to begin the initial cleaning step, using a damp sponge. The remaining grout traces on the tile surfaces can easily be removed the next day by wiping with a clean, soft dry cloth.

Avoid application in direct sunlight and/or in excessive draughts or strong winds.

## CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be mechanically removed.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### Product Data Sheet

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