

PRODUCT DATA SHEET

SikaCeram® Standard Set Tile Adhesive

Non-slip, standard-setting cement-based tile adhesive for floors and walls

PRODUCT DESCRIPTION

SikaCeram® Standard Set Tile Adhesive is a non-slip floor and wall tile adhesive for bonding ceramic, porcelain and mosaic tiles to most building substrates. For both interior and exterior locations.

USES

- Floors and walls.
- Internal and external applications.
- Concrete.
- Cement screeds.
- Render.
- Existing tiles.
- Dense block work.
- Unskimmed plasterboard.

CHARACTERISTICS / ADVANTAGES

- Fully water resistant.
- Interior and exterior use.
- Excellent non slip properties.
- 4 hour pot life.

APPROVALS / STANDARDS

Conforms to BS EN 12004 – Class C1T.

PRODUCT INFORMATION

Chemical Base	Cementitious
Packaging	20 kg bag
Appearance / Colour	Grey Powder
Shelf Life	9 months from date of manufacture when stored according to the manufacturer's instructions.
Storage Conditions	Store in unopened bags in cool dry conditions. Keep clear of the ground and protect from excessive draught. The use of this product after the end of the declared storage period may increase the risk of an allergic reaction. PROTECT FROM FROST AND DAMP.

APPLICATION INFORMATION

Consumption	Approx. 4 kg/m ² when applied as directed
Pot Life	4 – 5 hours dependant on temperature and site conditions
Curing Time	24 hours dependant on temperature and site conditions

VALUE BASE

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.

LIMITATIONS

- Always mix with clean fresh water and always prime/bond surfaces as directed.
- Never exceed the quantity of water stated. This will dramatically reduce strength and cause failure.
- Do not mix this tile adhesive when air or ground temperatures are forecast to be below +5 °C or above +35 °C during the first 24 hours after application.
- Do not apply to damp surfaces or when ambient temperature is persistently below +15 °C as this will increase drying process by several days.
- Do not mix more SikaCeram® Standard Set Tile Adhesive than can be laid in approximately 4 hours and never try to reconstitute once the product has set.
- Floors must be prepared as directed and free of all obvious movement before tiling.
- Existing concrete sub floors must be a minimum of 4 weeks old before overlaying with this product.
- Do not use for wall tiling onto gypsum based plaster. Use SikaCeram® Ready Mixed Tile Adhesive, SikaCeram® Ready Mixed Waterproof Tile Adhesive + or SikaCeram® Ready Mixed Fix & Grout.
- Do not use on painted surfaces. Remove paint first.
- Do not use over metal.
- Do not walk on floors until adhesive has fully set (approximately 24 hours normally).
- When used externally, do not apply when rain is imminent, and protect from rain for at least 5 hours.
- Not recommended for application directly onto tongue and groove timber floorboards or floating plywood floors.
- Do not allow adhesive residues to set on the tile face.

It is the user's responsibility to determine suitability of use. If in doubt, please contact Technical Services department for advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces must be clean, firm and free of dust, dirt, oil and loose flaking coatings. They must also be structurally sound and able to withstand the expected traffic loading.

Concrete / Screeds / Renders / Unskimmed Plasterboard / Block work

- Surfaces such as tamped concrete and masonry block-work, that are rough or uneven should be prepared with a suitable SikaFloor® self levelling compound and allowed to fully cure for at least 24-48 hours before application. Allow fresh concrete etc. to dry for at least 4 weeks before tiling.
- Ensure floors are free from rising damp. Prime surfaces with SikaBond® SBR diluted 3 parts water to 1 part SBR Bond and allow to dry.

Cement Tile Backer Boards

- SikaCeram® Standard Set Tile Adhesive can be applied to cement tile backer boards overlaid onto a fully rigid structure. E.g. Well-braced 15 mm waterproof ply-board screw fixed at 300 mm centres to supporting battens.

MIXING

- SikaCeram® Standard Set Tile Adhesive should be added to clean water.
- Always add powder to water.
- Mix approximately 1 part water to 3 parts powder by volume (20 kg powder to approximately 5 L of clean water) and mix to a slump free mortar.
- Never add further water once the adhesive has started to go off. This will destroy the bond strength.

APPLICATION

- All surfaces should be clean, dry and free of dust and loose material before commencing. Refer to above for specific surface preparation.
- Use a notched trowel to give a ribbed mortar bed on the substrate, to which the tiles should be firmly bedded with a twist and slide action to ensure full contact.
- Use a 3 mm x 3 mm notch at 6 mm centres for mosaics and thin flat backed wall tiling.
- Use a 5 mm x 5 mm notch at 10 mm centres for general wall tiling.
- Use 10 mm x 10 mm notch at 16 mm centres for general floor tiling.
- SikaCeram® Standard Set Tile Adhesive will remain workable for up to 4 hours depending on absorbency of substrate and temperature. Lightly touch the adhesive periodically, if a skin has formed, remove the adhesive and apply a

- new layer.
- It is good practice to periodically remove a tile and check that the adhesive covers a minimum of 75 % of the tile.
- All surplus adhesive must be removed whilst the adhesive is still wet using a dampened cloth or sponge, particularly along the grout lines.
- When the adhesive is fully set, wall and floor joints can be grouted using SikaCeram® Flexible Grout approximately 24 hours after application at room temperature. However, this period will be extended in cold conditions.

CLEANING OF TOOLS

Clean all tools/equipment with water after use.
Wash hands immediately after using this product.

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.

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