

PRODUCT DATA SHEET

SikaCeram[®]-333

(formerly MTile 333)

WATER BASED, NON-SHEEN, PENETRATING SEALER FOR STONE, TILES AND GROUTS

DESCRIPTION

SikaCeram[®]-333 is a 1-component, low viscosity, water based, colourless, non-sheen, penetrating sealer. It is formulated to provide water repellency and stain protection and may also be used as a pre-grouting sealer. Suitable for use in hot and tropical climatic conditions.

USES

- Water-repellent impregnation for absorbent substrates
- Sealer for natural stone surfaces, unglazed tile, clay pavers, concrete, brick, masonry and grout.

FEATURES

- Water-based formula
- Colourless and highly penetrating
- Reduces negative atmospheric effects
- Water vapour permeable
- Improves stain resistance
- For interior and exterior use
- Easy to use

PRODUCT INFORMATION

Composition	Oil in water silane-siloxane emulsion
Packaging	20 L
Shelf life	12 months from date of production
Storage conditions	Store in original, unopened, sealed and undamaged packaging in dry condition at temperatures between +5°C and +30°C. Protect from moisture and direct sunlight. Close container tightly after each use.
Appearance and colour	Water-like liquid, colourless.
Density	~1.0 kg/l (at 25°C)

APPLICATION INFORMATION

Consumption	As a guide: 4 m ² - 28 m ² / L Note: All figures are theoretical and for indicative purpose only. They do not allow for any additional material due to surface porosity, surface profile, wastage, etc. Refer to the method statement for coverages and application details.
Substrate temperature	+5°C min. / +35°C max.
Substrate moisture content	< 5 - 6 % when measured with Tramex method
Drying time	<ul style="list-style-type: none">▪ Allow 30 minutes drying time between applications.▪ Ready for surface traffic in 2 hours.▪ Keep dry for 12 hours.▪ Achieves a full cure in 24 hours.

BASIS OF PRODUCT DATA

- All technical data stated in this 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_333_08_15/v1/09_19

FURTHER DOCUMENTATION

General Method Statement

IMPORTANT CONSIDERATIONS

- Minimum age of concrete or mortar: 28 days.
- Cannot be overcoated with limewash or cement paint.
- If there are strict aesthetic requirements (often when used on natural stone), it is recommended to perform preliminary tests as on some stones a slight darkening of the surfaces may result.
- SikaCeram[®]-333 is not intended for waterproofing under hydrostatic pressure, in permanent contact with water, or for below ground waterproofing.
- SikaCeram[®]-333 is not intended to seal visible cracks from moisture ingress.
- Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application of sealer will be necessary to keep sealer at peak performance.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.

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 PREPARATION

Surface should be dry, clean and free of dust, dirt, oil, waxes, sealers, efflorescence and existing paints or finishes. Surface shall be dry min. 48 hours before application of SikaCeram[®]-333. Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.

SUBSTRATE QUALITY / PRE-TREATMENT

The following conditions must be fulfilled to insure good efficiency of the water repellent application:

- The surface to be sealed must be absorbent, clean and dry.
- The surface must be free of any contaminants or other surface films such as paint or varnish.
- All existing surface treatments should be removed.
- If any chemical cleaners are used, they must be properly rinsed off to avoid any reaction with the water repellent emulsion. Chemical cleaner residues can cause discoloration, decrease reaction rate or lack of reaction of the water repellent sealer.
- Damaged substrates have to be repaired or replaced and allowed to cure before application of the stone sealer.
- The facade has to be free of visible cracks. Cracks have to be filled with adequate filling materials, would it be elastic sealant, grouting material or cementitious based mortar.

- Do not apply onto walls that have evidence of rising damp. The source of the rising dampness must be dealt with and then the wall should be allowed to dry out prior to the sealer being applied. The drying out of a damp wall can take up to several months.
- Algae and moss growth must be removed prior to application.
- The facade has to be clean and exempt of dirt (which leads to a lower absorption) or greasiness will reduce water repellent emulsion absorption.
- All efflorescence has to be removed mechanically followed by cleaning with water or steam jet prior to application of the sealer.
- Avoid splashes onto glass, windows, door frames and other sensitive materials as this may cause staining.
- Fresh concrete and the mortar joints must have cured, i.e. application should be carried out after 4 weeks.
- The impact of the water repellent emulsion on the surface appearance of the substrate need to be tested beforehand. Application of water repellent emulsion can lead to some color modification or darkening of the substrate.

All stone sealers are applied to act as a protection for stone against staining prior to clean-up, hence prolonging the amount of time before stains penetrate. Stone sealers are not to be considered as a permanent non-stain solution for natural stone.

MIXING

SikaCeram®-333 is supplied ready for use and should not be diluted.

APPLICATION

Apply using a paint pad applicator, sponge or brush. Allow the sealer to penetrate for up to 5 minutes. Wipe surface completely dry using clean, dry cotton, paper or microfiber towels after each application.

Porous surfaces may require additional applications.

Conduct a test to see if surface is completely sealed after 2 hours, by applying drops of water on the surface. If water penetrates the substrate, this is an indication that an additional coat application is required. The quantity of water repellent emulsion applied to the natural stone tile or paver should match the tile or pavers absorbency. Do not apply more of the sealer than the tile or paver surface will absorb as this may change the visual aspect of the tile or paver. If product is allowed to dry on surface, a white film may form. If this occurs, scrub with a white nylon pad.

Pre-Grout Sealer/Grout Release

Coloured grout may stain porous tile and stone during installation. Sealing the tile before grouting will make grout removal from tiles surface much easier. Apply sealer according to directions after tile has been bonded for a minimum of 24 hours or apply to front face of tile before installation. Wait a minimum of 2 hours before grouting.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with mineral spirits immediately after use. Hardened / cured material can only be mechanically removed. Do not use cleaners containing ammonia, acids or bleach.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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