



Keranet

Acid based cleaner for ceramic tiles



WHERE TO USE

Keranet is used for cleaning interior or exterior surfaces (including façades) from staining caused by cement, lime, efflorescences, dirt, even oily.

Some application examples

- Cleaning cement and lime stains from the surfaces of ceramic tiles and mosaics on walls and floors.
- Cleaning off residues of cement-based products used as adhesives or for grouting ceramic surfaces.
- Cleaning efflorescence of lime, saltpetre etc. on ceramic surfaces or joints between tiles, concrete, plaster etc.
- Cleaning dirt that has accumulated on the construction site on building materials, such as ceramic tiles, sinks and tanks, anodized aluminium, stainless steel, chromework etc.
- Cleaning off slight rust stains.

TECHNICAL CHARACTERISTICS

Keranet is an acid cleaner available in two forms:

- as a **Powder** (concentrated) for difficult cases;
- as a **Liquid** in a 15% water solution for easier handling in ordinary cases.

Keranet is based on a special organic acid with the advantage that it is as aggressive to stains and efflorescence as much stronger acids (muriatic/hydrochloric, sulphuric etc.) but, unlike these, does not produce highly dangerous toxic fumes. Correctly used, **Keranet** does not damage joints between ceramic tiles, even those grouted with coloured products; but on the contrary, it removes efflorescence that sometimes form on their surfaces.

RECOMMENDATIONS

- Never use **Keranet** on marble and in general on other calcareous stone or on reconstructed derivatives and on cement-based terrazzo.
- Do not use **Keranet** on ceramic tiles or enameled tubs where the glaze is not acid-resistant.
- When working with **Keranet**, wear rubber gloves and goggles, and avoid splashing the product on the skin and clothes.
- Before use, make sure that the surfaces that need cleaning are acid resistant. In doubtful cases it is recommended to carry out preliminary tests.
- Do not leave **Keranet** on the joints too long and wash with plenty of water to remove any product residue which could provoke color variation.
- The contact between **Keranet** and metallic surfaces may cause corrosion.

APPLICATION PROCEDURE

Before cleaning with **Keranet**, protect everything that can be damaged by splashing with acid.

Above all, if the surfaces are highly absorbent (cotto toscano, porous ceramic tiles, concrete, renders etc.) they must be well wetted with water before treatment with **Keranet**.

Apply **Keranet Liquid** with a deck scrubber or a brush, working in strips. Let the product act for about 5 minutes, scrub with a brush or abrasive sponge (medium-grain Scotch Brite®) to remove any crusting that still remains and continue scrubbing until all visible stains have disappeared.

Repeat the operation for very persistent crusts or stains. Remove the liquid from the floor with a sponge or squeegee or with an industrial vacuum cleaner and then rinse thoroughly and repeatedly with water, brushing in all directions and finally dry with a cloth.

Keranet



Cleaning an efflorescence



Cleaning with Keranet Liquid with a deck scrubber



Cleaning with Keranet Liquid



Keranet Liquid is available both in tanks and in bottles with nebulizer

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

| | Powder (concentrated) | Liquid |
|------------------------------------|-----------------------|-------------|
| Consistency: | powder | liquid |
| Colour: | white | transparent |
| Bulk density (g/cm ³): | 1.22 | – |
| Density (g/cm ³): | – | 1.09 |
| pH: | – | 1.1 |
| Active substance (%): | 100 | 15 |

APPLICATION DATA (at +23°C - 50% R.H.)

| | |
|--------------------------------|-------------------|
| Application temperature range: | from 0°C to +40°C |
| Waiting time before rinsing: | 5 minutes |

When **Keranet Powder** (concentrated) has to be used (for example for cleaning cotto toscano grouted with anthracite coloured cementitious grouts), the same procedure should be followed, except that the **Keranet** should be spread over the already well watered floor.

PACKAGING

Keranet Powder (concentrated):
1 kg plastic bags.

Keranet Liquid:

25 kg, 10 kg and 5 kg tanks - 1 kg bottles in cartons of 12-0.750 kg bottles in cartons of 12.

STORAGE

24 months in original packing.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Keranet Liquid and **Keranet Powder** (concentrated) are irritant for the skin and the eyes.

During use wear protective gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes or the skin was immediately with plenty of water and seek medical attention. Furthermore, **Keranet Powder** (concentrated) is dangerous for aquatic life, do not dispose of it in the environment.

For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product

data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the **Technical Data Sheet**, available from our website www.mapei.com

LEGAL NOTICE

The contents of this **Technical Data Sheet ("TDS")** may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com



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