



# Keranet

## Acid based cleaner for ceramic tiles



### WHERE TO USE

**Keranet** is used for cleaning interior or exterior surfaces (including façades) of staining caused by cement, lime, efflorescence including dirt and oil.

### 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 **concentrated powder** 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.
- Do not use **Keranet** on ceramic tiles or surfaces 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.
- The contact between **Keranet** and metallic surfaces may cause corrosion.
- 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.
- Prevent **Keranet** from coming into contact with metallic surfaces or finishes as this may result in 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 mop or 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.

# Keranet



Cleaning an efflorescence



Cleaning with Keranet liquid by polishing brush



Cleaning with Keranet liquid



Keranet liquid is available both in drums and in bottles with nebulizer

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

	Conc. powder	Liquid
<b>Type:</b>	powder	liquid
<b>Colour:</b>	white	transparent
<b>Bulk density (g/cm<sup>3</sup>):</b>	1.22	-
<b>Density (g/cm<sup>3</sup>):</b>	-	1.09
<b>pH:</b>	-	1.1
<b>Active substance (%):</b>	100	15
<b>Storage:</b>	24 months in original packing	
<b>Hazard classification according to EC 1999/45:</b>	irritant	irritant. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packing and Safety Data Sheet
<b>Customs class:</b>	2811 19 00	

### APPLICATION DATA

<b>Application temperature range:</b>	from 0°C to +40°C
<b>Waiting time before rinsing:</b>	5 minutes

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.

When **Keranet Concentrated Powder** has to be used (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 concentrated powder:**  
5 kg plastic drums - 1 kg plastic bags.

**Keranet liquid:**  
25 kg plastic drums - 10 kg plastic drums -  
5 kg plastic drums - 1 kg bottles in cartons of 12x1.  
0.750 kg bottles with nebulizer in 12x0.750 packs.

### STORAGE

24 months in original packing.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Keranet** is irritant in contact with eyes and skin. Wear protective gloves and eye/face protection. In case of contact with the product, wash immediately with plenty of water.

If swallowed and in the most serious case, seek medical advice. Store the product in closed packaging and keep out of the reach of children.

**Keranet Powder** is dangerous for aquatic organisms: avoid release to the environment.

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 applications; 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 web site [www.mapei.com](http://www.mapei.com)

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**