

Keraseal

Protective sealer for porous tiles



WHERE TO USE

Keraseal is used for protecting indoor ceramic tiles and joints between porous tiles, natural stone and facebrick, from staining, efflorescences, dust and water, and facilitates maintenance.

Some application examples

- Treating floors of absorbent ceramic tiles (cotto toscano, terra cotta, etc.);
- treating tiling with joints filled with cement-based grouts;
- treating ceramic or marble surfaces in kitchens or on furniture in general;
- treating indoor natural stone or facebrick walls;
- treating floors in concrete, natural stone, agglomerated stone, paving tiles etc.

TECHNICAL CHARACTERISTICS

Keraseal is a solution of a special urethane polymer in aliphatic solvents for application to ceramic, natural stone, brick, renders, paving-tile surfaces etc.:

- protects them from stains, dirt, damp and dust, making maintenance easier;
- prevents the appearance of efflorescences both on the surfaces and in the joints;
- brightens up the colours of the materials, giving the surfaces a semi-lustrous finish.

RECOMMENDATIONS

- With cotto toscano or highly absorbent floors installed with conventional mortar, do not carry out the treatment with **Keraseal** before the complete drying of the floor to avoid trapping any efflorescence on the surface. Waiting time can even be as long as several months. With floors installed with cement adhesives, onto dry screeds the waiting time can be greatly reduced.
- **Keraseal** should be spread in a thin, uniform layer (with a cloth, for example) to avoid varying quantities of the product leaving colour stains or patches, especially on light-coloured surfaces.
- Never use **Keraseal** on floors which are not properly insulated from the ground below.
- **Keraseal** is flammable, so:
 - a) it must be kept in a cool place,
 - b) smoking should be avoided during application,
 - c) residues must not be thrown down drains.

APPLICATION PROCEDURE

Preparation

The surfaces to be treated must be absolutely dry and cleaned of dust, grease, wax, paint etc. Traces of cement, efflorescences and any residue left during grouting must be removed with **Keranet** (see relative product report). Careful cleaning of the floors will always guarantee excellent results.

Application

Keraseal must be applied with a clean cloth that is soft and devoid of hairs, or with a soft brush. 0.1-0.2 kg/m²

Keraseal



Treating cotto toscano before grouting



Spreading with a cloth



An example of a floor in terracotta tiles and porcelain inlays treated with Keraseal - Mozzata (Como) - Italy

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	very thin liquid
Colour:	transparent, slightly straw-coloured
Density (g/cm³):	0.83
Dry solids content (%):	16
Brookfield viscosity (mPa·s):	5
Storage:	24 months in original unopened packing
Hazard classification according to EC 99/45:	harmful, dangerous for the environment, flammable. Before using refer to the "Safety instructions for the preparation and application" paragraph and the information on the packing and Safety Data Sheet
Customs class:	3208 10 90

APPLICATION DATA at +23°C - 50% R.H.

Application temperature range:	from +5°C to +30°C
Set to light foot traffic:	12 hours
Ready for use:	3 days

FINAL PERFORMANCES

Resistance to damp:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oils:	fair
Resistance to acids and alkalis:	fair
Temperature when use:	from -30°C to +80°C

will be used, depending on the porosity of the surface. Application should be uniform and **Keraseal** must never be poured directly onto the surface from the can to avoid tears and the accumulation of material that will leave patches when dry. Leave **Keraseal** to penetrate for a few minutes and then remove any excess with a cloth. On highly absorbent material (cotto toscano, terra cotta, etc.) the treatment should be repeated at least once to obtain better results.

On tiles that are slightly absorbent (gres, single fired, klinker, etc.) **Keraseal** must only be applied with a soft cloth to avoid unpleasant-looking streaks or tears.

Rubber gloves should be used during application.

Treatment with **Keraseal** can be repeated whenever necessary, depending on how much the surfaces are used.

Leave **Keraseal** to dry for at least 12 hours before allowing normal traffic on the floor.

The application procedure for walls is identical to the above description.

N.B. Keraseal contains high-boiling but inflammable solvents and must therefore be applied in well ventilated environments well away from open flames and other sources of heat.

Another possible application for **Keraseal** is the pre-treatment of cotto toscano and other highly porous tiles before laying with cement adhesives or before grouting.

This treatment permits much easier cleaning of the finished floor.

It is not, however, advisable to use **Keraseal** when laying terracotta tiles with mortar, this will entrap any efflorescences.

Cleaning

Tools, hands and clothes can be cleaned with turpentine or other paint solvents.

CONSUMPTION

Consumption with **Keraseal** varies from 0.1 to 0.2 kg/m² depending on the porosity of the surface. Additional coats normally need about 0.1 kg/m².

PACKAGING

10 kg metal cans.
1 kg metal bottles in packs of 18.

N.B. - ADR/RID approved packaging.

STORAGE

Keraseal, stored in original packing, can be stored 24 months.

SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

Keraseal is flammable. Do not expose to sources of heat and avoid areas where there are naked flames or sparks. The product is hazardous and dangerous to water life. Avoid coming into direct contact with the product and always wear protective clothing when handling. Do not dispose of the product in the environment.

FOR PROFESSIONALS.

WARNING

Although the technical details and recommendations contained in this product report 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.

**All relevant references
of the product are available
upon request**

Keraseal



BUILDING THE FUTURE

MAPEI GROUP CERTIFIED MANAGEMENT SYSTEMS (Quality, Environment and Safety)

 CERTQUALITY No. 250	 ISO 14001 Plant in Robbiano di Mediglia CERTQUALITY No.1230	 ISO 14001 Plant in Latina CERTQUALITY No. 6127	 EMAS VERIFIED ENVIRONMENTAL MANAGEMENT SYSTEM No. 101-EC000124 PLANT IN ROBBIANO DI MEDIGLIA	 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS OHSAS 18001 CERTIFIED BY CERTQUALITY PLANT IN ROBBIANO DI MEDIGLIA Certificate No. 3596	 CERTQUALITY No. 6853	 CERTQUALITY No. 3358	 ITC No. 03 0063 SJ
MAPEI S.p.A. - ITALY				MAPEI CORP - U.S.A.	MAPEI FAR EAST Pte Ltd MAPEI MALAYSIA SDN BHD	MAPEI s.r.o. - CZECH REP.	
 CERTQUALITY No. 1517	 QMI No. 004157	 DNV No. 94-OSL-AQ-6236	 ISO 14001 Plant in Sagunto DNV No. 2002-OSL-SYMI-8147	 EMAS VERIFIED ENVIRONMENTAL MANAGEMENT SYSTEM No. 101-EC000111 PLANT IN SAGUNTO	 DNV No. 12026-2002 AQ-BUD-TGA	 IRAM No. AR-QS-688	 CERTQUALITY No. 5776
MAPEI FRANCE	MAPEI INC - CANADA	RESCON MAPEI AS - NORWAY			MAPEI Kft. - HUNGARY	MAPEI ARGENTINA S.A.	MAPEI SUISSE SA

www.mapei.com