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# KERASEAL<sup>®</sup>

## PROTECTIVE SEALER FOR CERAMIC TILES

### USES

KERASEAL is used for protecting ceramic tiles of every type joints between tiles, natural stone and facebrick, from staining, efflorescences, dust and water, and facilitates maintenance.

### Typical applications

- Treating floors of absorbent ceramic tiles (cotto toscano, terra cotta etc.);
- treating tiling of every type with joints filled with cement-based grouts (KERACOLOR LARGE GRAIN, for instance);
- treating ceramic surfaces in kitchens or on furniture in general;
- treating natural-stone or facebrick façades;
- treating floors in concrete, natural stone, cultured 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 fine, semi-lustrous finish.

### PRECAUTIONS

- With cotto toscano or highly absorbent floors laid with conventional mortar, do not carry out the treatment with KERASEAL before the complete drying

of the floor to avoid trapping any eventual efflorescences on the surface. The required period of time can even be as long as several months. With floors laid with cement adhesives, (KERAFLOOR, KERABOND, etc.) 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 patches, especially on light-coloured surfaces;
- Never use KERASEAL on floors which are not properly isolated from the ground below, since that ground will transfer considerable quantities of water to the surface creating a high source of continual efflorescence;
- KERASEAL is inflammable, 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 eventual residue left during grouting must be removed with KERANET (see relative product

*Treating cotto toscano before grouting*





Spreading with a cloth



Spreading with a brush

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. 100-200 gr/m<sup>2</sup> will be used, depending on the porosity of the surface. Application should be uniform and the 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 the 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 (quarry tiles, single fired, impervious tiles etc.) KERASEAL must only be applied **with 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 the 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

### TECHNICAL DATA:

<b>PRODUCT IDENTITY</b>	
Type:	very thin liquid
Colour:	transparent, slightly straw-coloured
Density:	0.83 g/cm <sup>3</sup>
Dry solids content:	18%
Brookfield viscosity:	5 centipoise
Storage life:	12 months in original unopened packing
Inflammability:	yes
Flash point:	+27°C
Dangerous-product transport classifications:	acc. to RID/ADR: Class 3.31°C acc. to IMO/IMDG: code: n. 1263 page 3372 class 3.3 (III)
Health hazard acc. to EEC 88/379:	no
Customs class:	3208 10 90
<b>APPLICATION DATA (at +23°C - 50% R.H.):</b>	
Application temperature range:	from +5°C to +30°C
Cure time:	3 days
Ready for traffic:	after 12 hours
<b>FINAL PERFORMANCES:</b>	
Damp resistance:	excellent
Ageing resistance:	excellent
Resistance to solvents and oils:	fair
Resistance to acids and alkalis:	fair
Resistance to temperature:	good



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 (KERABOND etc.) or before grouting with KERACOLOR or ULTRACOLOR.

This treatment permits much easier cleaning of the finished floor. It is not, however, advisable to use KERASEAL when laying with mortar this will entrap any eventual efflorescences (see also the product report on KERACOLOR LARGE GRAIN).

### Cleaning

Tools, hands and clothes can be cleaned

with turps or other paint solvents.

### COVERAGE

Coverage with KERASEAL varies from 100 to 200 gr/m<sup>2</sup> depending on the porosity of the surface. Additional coats normally need about 100 gr/m<sup>2</sup>.

### PACKING

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

**N.B.** - ADR/RID approved packaging.

### 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.

**N.B. FOR PROFESSIONAL USE ONLY**

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