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## Technical Information Sheet

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**Properties:**

AKEMI® Cotto Protector W is a ready-to-use impregnation dissolved in water which is based on high-quality active substances. This product is characterized by the following properties:

- lower water absorption when in contact with moisture
- additional oil and grease repellent effect
- paints cannot adhere so easily to treated surfaces (anti-graffiti effect)
- stone can still breath
- does not yellow
- no surface coating
- not tacky when dry
- simple to use
- faint smell
- tools can be easily cleaned with water
- When the product has fully hardened, it presents no danger to health even if in contact with foodstuffs; confirmed by tests carried out by the LGA Nürnberg

**Application areas:**

AKEMI® Cotto-Protector W is used as a water, grease and oil repellent impregnation for cotto, terracotta, terres quites and unglazed clay tile surfaces and the like. Afterwards floor coverings in the kitchen, dining area and other areas which are exposed to a lot of dirt are much easier to clean. The product has only a faint smell and is therefore particularly suitable for use in rooms which are already being lived in. It is ideal for pretreating surfaces which are subsequently to be treated with AKEMI® Cotto Wax Polish W or AKEMI® Cotto Wax Polish Classic.

**Instructions for use:**

1. Cleaning: The surface must be clean, as dry as possible and free of any coatings. If used outdoors, take care that the surface which is to be treated does not contain any detrimental salts (nitrates, sulphates, chlorides) because these can reduce the absorption of the impregnation. The following products can be used for cleaning purposes depending on the kind of soiling (please pay attention to our cleaning recommendations and specification sheets): AKEMI® Cotto Initial Cleaner, AKEMI® Stone Cleaner, AKEMI® Algae and Mildew Remover, AKEMI® Wax Remover, AKEMI® Oil and Grease Remover Paste and AKEMI® Graffiti Remover. In all cases, rinse well with water after cleaning. The surface should be as dry as possible before the protective treatment is carried out.
2. Shake before use.
3. To establish the quantity required, the visual effect and the effectiveness of the product, try it out on a test area first.
4. Working temperature: 10°C - 25°C; Turn off underfloor heating in good time, avoid direct sunlight and contact with moisture until the water and oil repellent properties take effect.
5. Depending on the absorbency of the surface, liberally apply the undiluted product wet on wet one or more times using a brush, paint roller, spray gun or fluff-free cloth.
6. Always apply to the entire surface.
7. Approx. 20 minutes after the last application (when the surface begins to dry up), use a suitable cloth or rag to remove any surplus liquid.
8. The product reaches its full effectiveness after approx. 24 hours.
9. After drying, the surfaces can be treated with AKEMI® Cotto Wax Polish W or AKEMI® Cotto Wax Polish.
10. AKEMI® Cotto Natural Soap Cleaner is recommended for general cleaning purposes.

**Special notices:**

- If a surface is treated with diluted AKEMI® Cotto Protector W before grouting, it will be much easier to clean later on. Dilute with water in ratio 1:3.
- Avoid applying the product to the flanks of the joint.

- Even surfaces which have been treated with Cotto Protector W can show signs of staining if aggressive substances such as fruit juice, products containing vinegar or alcohol, cosmetics etc. are given enough time to react; the degree of staining is, however, considerably lower than would be the case if the stone surfaces were untreated. The formation of stains can be avoided by removing dirt or spilled liquids immediately. If a stain should nevertheless occur, it will be much easier to remove than one on an untreated stone surface.
- If surplus product is not removed, it can cause stains or streaks.
- AKEMI® Cotto Protector W should be renewed once or twice per year.
- Use AKEMI® »Liquid Glove« to protect your hands when using the product.
- Surfaces which are to be treated must be protected against direct sunlight.
- Surfaces, window panes or parts to be painted which are to be bonded later on must be protected (masked, covered up).
- To ensure proper waste disposal, empty the container completely before disposing of it.

**Safety notices:**

Please refer to the EC Safety Data Sheet

**Technical data:**

quantity required:	approx. 5 - 15 m <sup>2</sup> /litre, according to the absorbency of the stone
colour:	transparent, yellowish
density:	approx. 1 g/cm <sup>3</sup>
shelf life:	approx. 1 year under cool and frost-free conditions in the firmly closed original container.

**Notice:**

The above specifications were made on the basis of the present-day stage of technological development as well as the application research of our company. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of this specification sheet.