

Technical Data Sheet

Page 1 of 2

Properties:

AKEMI® Stain Repellent W is a ready-to-use impregnation based on high quality substances emulsified in water. The product is characterised by the following properties:

- reduced water absorption during periods of moisture
- additional oil- and grease repellent effect
- low adhesion of paints on treated stone surfaces – anti-graffiti effect
- maintenance of breathing properties
- non yellowing
- no surface layer
- tack-free hardening
- easy application
- no odour nuisance during application
- easy cleaning of the tools with water
- after being hardened the product is harmless to health upon contact with food products – certified by an external German testing institute

Application Area:

AKEMI® Stain Repellent W is used for water-, grease- and oil repellent treatment of absorbent, rough, fine ground and polished natural and artificial stones (e.g. marble, granite, sandstone, cotto, concrete ashlar or quartz surfaces). The care of floorings in the kitchen or bathroom, on window sills, tables, facades and other areas will become considerably easier. The product is free of odour nuisance and therefore especially suited for application in rooms already in use.

Instructions for Use:

Disregarding the processing guidelines can lead to irreparable damage!

1. Cleaning

The surface must be clean, totally dry and free from all layers.

Take care outdoors that the stone does not contain any detrimental salts (nitrates, sulphates, chlorides) because these can reduce the absorption of the impregnating material. Depending on the type of stone and the degree of soiling, the following AKEMI® products are recommended: Stone Cleaner, Concrete Film Remover, Rust Remover, Wax Stripper, Algae and Moss Remover, Oil and Grease Remover Paste, Graffiti-Remover. Please pay attention to the respective technical data sheets. In any case, after cleaning rinse well with water. Before the stone is given its protective treatment, it must be totally dry. As a rule, this is the case after 1-2 days at the earliest.

2. Shake well before use.**3. To evaluate the efficiency, appearance and material consumption prepare a sample area.****4. Working temperature: 10°C to 25°. Avoid moisture until the development of the water- and oil repellent effect. The surface must not be warmed up either by an underfloor heating or solar radiation.****5. Depending on the absorbency apply one or more times fully and evenly with a brush, mop, spraying device or a fluff-free cloth.****6. Always apply on the complete surface.****7. Remove surplus material with an adequate cloth or fabric approx. 20 minutes after the last application. Use a pad or lambskin for polished surfaces.****8. After approx. 24 hours the full efficiency of the product is reached.****9. AKEMI® Mild Stone Soap or Crystal Clean is well suited for regular cleaning.**

TDS 05.17

Technical Data Sheet

Page 2 of 2

Special Notes:

- Special protective measure in case of spray application: avoid formation of aerosols and risk to third parties. Do not breathe vapours (protective mask).
- Ensure sealing of the reverse side and lateral surfaces of the stone, so that rising moisture cannot penetrate into the stone. In this context we recommend the use of AKEMI® Anti-Stain Coating 2015 to seal the reverse side and the lateral surfaces.
- Even on stone surfaces impregnated with Stain Repellent W, it is possible that spots are forming after a long time of exposure to aggressive products (e.g. juice, vinegar, alcohol or cosmetics). Yet, this formation is by far lower as on surfaces not being treated with Stain Repellent W. Spots can be avoided by immediately removing these aggressive products.
- Product which has been inaccurately applied, can possibly be removed with AKEMI® Impregnation Remover.
- A surplus of the product causes blooming and spotting.
- Use AKEMI® Liquid Glove to protect your hands.
- Surfaces to be treated must be protected against direct solar radiation.
- Protect synthetic materials which are not resistant to solvents, e.g. window screens, parts to be varnished or objects in the area of working (cars, gardens).
- On some natural stones like e.g. Nero Assoluto or Nero Impala the stone-imminent structures may be stronger intensified than the residual stone surface if treated with Stain Repellent Super. This might be seen as staining, however, the colour intensification is not a product defect but is attributed to the characteristics of the stone.
- For proper waste disposal the container must be completely emptied.

Technical Data:

Coverage: approx. 5 – 15 m²/liter – depending on the absorptive capacity of the stone
Colour: transparent yellowish
Density: approx. 1 g/cm³

Storage:

2 years if stored in cool place free from frost in its tightly closed original container.

Health & Safety:

Read Material Safety Data Sheet before handling or using this product.

Important Notice:

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.

TDS 05.17