

## Technical Data Sheet

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**Properties:** AKEMI® Transformer is a ready to use, solvent-based, special impregnation based on reactive modified siloxanes. It is absorbed by the pores through the capillary forces of the stone. A polysiloxane results from the catalytic reaction. In addition, a reaction with the siliceous substance of the stone takes place. The product is distinguished by the following qualities:

- intensifies the natural colour and structure of flamed, brushed, satin, fine ground and polished stones
- very fast evaporation of solvents
- very fast entry of colour intensification
- very high spreading rate
- maintains the lustre of the polish
- does not form a layer on the surface of the stone
- allows the stone to breathe
- excellent weather resistance and durability
- non-yellowing
- low odour
- for indoor and outdoor use
- water- and dirt-resistant effect

**Application Area:** For the treatment of flamed and brushed, satin, fine ground and polished natural and artificial stones, e.g. marble, slate, Solnhofen lime stone, sandstone, granite, gneis, concrete ashlar or composite stone. The product is especially suited for dark and black stones (e.g. Nero Assoluto, Impala black, Galaxy and Zimbabwe black). Damaged areas (e.g. hairline cracks) can be treated with AKEMI® Transformer. The surface thus obtains a homogeneous appearance. There is a very good durability of colour enhancement on silicate based stones and a good durability of colour enhancement on lime based stones.

**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. 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, Wax Stripper, Oil and Grease Remover Paste, Graffiti-Remover. Please pay attention to the respective technical data sheets. Rinse all surfaces well with water after cleaning. The stone must be completely dry (1-2 days) before treating with Transformer. Optimal object temperature is 15-25°C (59-77°F). Ensure protection from rain for approx. 24 hrs. The surface must not be warmed up either by an underfloor heating or solar radiation.
2. Apply undiluted with a brush, mop or spraying device. Apply a thin, smooth layer, allowing sufficient time for the product to be absorbed into the stone.
3. Approx. 5-10 minutes after application, remove the excess totally with a soft and absorbent cloth. To increase the colour intensification on low absorbent stones, the product may be allowed to react for up to 60 minutes.
4. On very absorbent surfaces, several applications may be necessary in an interval of 1 to 2 hours.
5. Tools can be cleaned with AKEMI® Nitro Dilution.
6. For regular cleaning, use AKEMI® Mild Stone Soap or Crystal Clean.

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- 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.
  - Not suitable for glazed or non-absorbent surfaces.
  - Treatment of smaller surfaces (< 0.5 m<sup>2</sup>) is recommended due to the short evaporation time of the solvent.
  - Polished surfaces must be re-polished until the haze on the surface is completely removed.
  - The degree of colour enhancement depends on the kind of stone. The deepening result on dark stones is more intensive than on light stones.
  - Testing on a sample area is recommended.
  - Product which has been inaccurately applied can possibly be removed with AKEMI® Impregnation Remover.
  - Protect all surrounding areas sensitive to solvents (e.g. various synthetic materials, rubber, lacquered parts).
  - 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 AKEMI® Transformer. 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 adequate waste disposal container must be completely emptied.
- Technical Data:**
- |           |  |
|-----------|--|
| Coverage: | approx. 30 – 50 m <sup>2</sup> /liter on polished surfaces |
| Colour:   | slightly turbid  |
| Density:  | 0.96 g/cm <sup>3</sup>                                     |
- 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.

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