

### Technical Instruction Sheet

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- Characteristics:** AKEMI® Colour Converter is a watery formulation for the surface treatment of acid-resistant natural and cast stones. A yellow to brown colouration of the stone develops by means of a chemical reaction. After being fully cured the product is harmless to health upon contact with food products – certified by the “LGA Nürnberg”.
- Application areas:** AKEMI® Colour Converter produces, depending on the consistency of the material, a homogeneous, weather- and UV-resistant yellow colouration on rough, grinded or polished absorbent and acid-resistant natural and cast stones. Treated rough stones can be grinded and polished.
- Instructions for use:**
1. The surface to be treated must be clean, totally dry, free from all layers, resistant to acid as well as absorbent.
  2. Shake well before use. Use appropriate protective gloves.
  3. Before starting we recommend to prepare a sample area in order to ascertain material consumption and to evaluate the appearance of the treated object.
  4. If necessary, the product can be diluted with water up to 1:10. The higher the dilution the lesser the colour development.
  5. Working temperature from 10°C (50°F) to 25°C (77°F). Avoid direct sunlight.
  6. Depending on absorbency apply one or more times fully and evenly with a brush, roller or spraying device on a horizontal surface. Working tools can be cleaned with water.
  7. After allowing to work up at least 5 - 8 hours. The surfaces should have the same reaction time.
  8. Thereafter remove surplus material by grinding or rinse thoroughly with water.
  9. Store treated plates freely for approx. 14 days, in order to allow the air to circulate upon the treated surfaces.
  10. Afterwards the surface can be treated with products of the AKEPOX® 1000-series or AKEMI® Impregnation and Care Products.
- Special Hints:**
- In case surfaces which have been treated with AKEMI® Colour Converter are treated afterwards (drilling, sawing, milling etc.) then these surfaces should be re-treated with AKEMI® Colour Converter in the same concentration and with the same reaction time. If reaction time and concentration are not known, test on an area of a sample material of the same type.
  - Treatment on surfaces solidified or bonded with synthetic resin can cause an inhomogeneous colouration.
  - Metals (also stainless steel) and other surfaces sensitive to acids will be damaged by the product or it's vapours.
  - Strong acidic cleaners applied previously must be washed out thoroughly.
  - Wood pieces or similar to keep the distance between the slabs must not lay on the treated surfaces during reaction time.
  - The colour of the treated surfaces changes during the reaction from light-yellow to a brown-yellow colouring.
  - Surfaces treated loose their colouring when applying AKEMI® Rust Remover and AKEMI® Concrete Film Remover and can not be coloured with AKEMI® Colour Converter anymore.
  - Do not allow contact with plants, otherwise rinse immediately with water.
  - Cover up or protect all surfaces which are not to be treated.

- Stains on surfaces resistant to acid can be removed with AKEMI® Rust Remover.
- In order to ensure orderly disposal, the container must be emptied completely.

**Safety notices:** Please refer to the EC safety data-sheet

**Technical Data:**

Consumption:	approx. 10 – 20 m <sup>2</sup> /Litre (undiluted)
Colour:	brown
Density:	1.14 g/cm <sup>3</sup>
pH-Value, undiluted:	1
pH-Value, diluted 1:2 :	1-2
pH-Value, diluted 1:5 :	2
pH-Value, diluted 1:10 :	2-3

Shelf life: approx. 3 years if stored in cool place free from frost in its tightly closed original container.

**Notice:** The above information is based on the latest stage of technical progress. It is to be considered as a non-binding hint and does not release the user from a performance test, since application, processing and environmental influences are beyond our realm of control.