

Technical Instruction Sheet

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Characteristics:

AKEMI® Colour Intensifier W is a ready-to-use special impregnation based on high quality substances emulsified in water. The product penetrates into the pore system of the stone and a resistant polymer results. In addition, a reaction with the siliceous substance of the stone takes place, which increases the durability of the colour enhancement. The product is distinguished by the following qualities:

- intensifies the natural colour and structure of the stone without lustre
- water and dirt resistant effect
- does not form a layer on the surface of the stone
- allows the stone to breathe
- excellent weather resistance and durability
- non-yellowing
- no odour nuisance during application
- for indoor and outdoor use

Field of Application:

For the treatment of porous, rough, sawed, ground, absorbent natural and cast stones (e.g. marble, slate, Solnhofen lime stone, sandstone, granite, gneiss or concrete ashlar).

Instructions for Use:

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 products can be recommended, please pay attention to our care recommendations as well as our specification sheets: AKEMI® Stone Cleaner, AKEMI® Concrete Film Remover, AKEMI® Rust Remover, AKEMI® Algae and Mildew Remover, AKEMI® Wax Stripper, AKEMI® Oil- and Grease Remover Paste and AKEMI® Graffiti Remover. Rinse well with water without fail after cleaning. 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. Optimal working temperature is 15-25°C (59-77°F). Insure protection from rain for approx. 4-5 hrs. The coating must not be heated by floor heating or sun radiation.
2. Apply undiluted with a brush, paint roller or spraying device. Apply a thin, smooth layer, allowing sufficient time for the product to be absorbed into the stone.
3. Approx. 10-15 min. after application respectively when the product starts to dry, distribute once more evenly or remove the excess totally with an absorbent cloth .
4. On very absorbent surfaces, several applications may be necessary.
5. Tools can be cleaned before drying of the product with water or later with AKEMI® Cleaner I.
6. For regular cleaning use AKEMI® Crystal Clean or AKEMI® Stone Soap.

Special Hints:

- Not suitable for glazed or non-absorbent surfaces. Limited applicability on fine ground or polished surfaces.
- Polished surfaces must be re-polished until the haze on the surface is completely removed.
- The grade of colour enhancement depends on the kind of stone. The deepening result on dark stones is more intensive than on light stones.

- There is a good durability of colour enhancement on lime based stones and a very good durability of colour enhancement on silicate based stones.
- Dried up and excess material cause surface brightness. This brightness can be removed with AKEMI® Cleaner I. However, that colour enhancement can be reduced hereby.
- Testing on a sample area is recommended.
- Use AKEMI® Liquid Glove to protect your hands.
- Protect the product against frost.
- For adequate waste disposal container must be completely emptied.

Technical Data:	Coverage:	approx. 5-15 m ² /litre
	Colour:	milky
	pH-Value:	7
	Density:	0.99 g/cm ³
	Shelf life:	1 year approx. if stored in a cool place in its tightly closed original container.

Safety Measures: see EC Safety Data Sheet

Notice: The above specifications were made in accordance with the present-day stage in development and the application technology research of our firm. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of this specification sheet.