AKEMI®

Darkener Super

Technical Instruction Sheet

Characteristics:

AKEMI® Darkener Super is a ready to use, solvent-based, special impregnator containing reactive modified silicates. 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 fine ground and polished stones
- 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
- no odour nuisance during application
- for indoor and outdoor use
- prolonged working time
- water and dirt resistant effect

Field of Application:

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

Instructions for Use:

1. Cleaning: The surface must be clean, totally dry and free from all residues. Insure that outdoors 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 are recommended (See Technical Data Sheets for proper use): AKEMI® Concrete Film Remover, AKEMI® Rust Remover, AKEMI® Wax Stripper, AKEMI® Oil- and Grease Remover Paste, AKEMI® Graffiti Remover. Rinse all surfaces well with water after cleaning. The stone must be completely dry (1-2 days) before treating with Darkener Super. Optimal working temperature is 15-25°C 59-77°F. Insure protection from rain for approx. 4-5 hrs.
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, remove the excess totally with an absorbent cloth .
4. On very absorbent surfaces, several applications may be necessary.
5. Tools can be cleaned with AKEMI® Nitro-Dilution.
6. For regular cleaning, use AKEMI® Mild Stone Soap.

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Special Hints:

- Not suitable for glazed or non-absorbent 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 then on light stones. Testing on a sample area is recommended.
- Use AKEMI® Liquid Glove to protect your hands.
- If stored at a temperature less than 15°C (59°F), the product becomes cloudy. When the product adjusts to a temperature of 25°C (77°F), it will become clear again.
- Protect all surrounding areas sensitive to solvents (e.g. various synthetic materials, rubber, lacquered parts).
- For adequate waste disposal container must be completely emptied.

Technical Data:

Coverage:	approx. 10-20 m²/litre
Colour:	slightly turbid
Density:	0,84g/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.

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