

Technical Instruction Sheet

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Characteristics:

AKEMI® Stone-Sil 200 (NL) is advanced lithium chemistry for marble, natural stones and concrete. This easy-to-use water-based solution requires no rinsing and is VOC compliant in all areas of the world. When sprayed on new or existing surface, it penetrates up to ¼ inch (7mm) where it reacts with free calcium to form insoluble calcium silica hydrate, which makes marble or stone more water, stain, and abrasion resistant for easier maintenance and longer life. It is also suitable for marble polishing procedures and helps prolong the life of polished finishes.

KEY BENEFITS:

- Easy application, no rinsing required
- Penetrates, no film to lift or peel off
- Reduces efflorescence and surface sweating
- VOC Compliant, can contribute to LEED points (IEQ credit 4.2 non-emitting materials)
- Prolongs finish of polished surfaces.
- Resists stains and abrasion, making the surface easier to maintain

Field of Application:

For the treatment of ground and polished absorbent marble and natural stone, e.g. marble, slate, Solnhofen lime stone, sandstone, granite, gneiss or concrete ashlar.

Instructions for Use:

Precautions: Apply only when temperatures will be above 36° F (2°C) for at least 4 hours following application. Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent AKEMI® Stone-Sil 200 (NL) from penetrating into the surface. Do not use citrus or acidic cleaners. If acid dyes or cleaners have been used, neutralize the surface using AKEMI® Stone Cleaner. Do not use high pressure sprayers. In hot, windy conditions, it may be necessary to spray water on hot concrete to cool the surface prior to application. So AKEMI® Stone-Sil 200 (NL) does not flash-dry on the surface. If AKEMI® Stone-Sil 200 (NL) comes into contact with glass, fabric, metal, or painted surfaces, wipe immediately contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

Using a pump-up sprayer for smaller jobs, spray AKEMI® Stone-Sil 200 (NL) evenly on the surface. Spread out any pools with a soft bristle broom or a flat microfiber pad. Keep surface wet for at least 20 minutes, adding more material where needed. Surface is ready for use when dry, but the complete reaction may take up to two weeks to develop depending on site temperature and conditions.

In cool, humid, or enclosed conditions, AKEMI® Stone-Sil 200 (NL) may stay wet for a long time. After 1 hour of dwell time, use an auto-scrubber to rinse the surface and pick up excess material.

On newly placed interior surface, AKEMI® Stone-Sil 200 (NL) may be applied immediately after 200 grit polish is over.

Special Hints:

- Clean Up—Use soap and water to clean tools and equipment. Although AKEMI® Stone-Sil 200 (NL) is non-toxic and environmentally safe, it is alkali—use up or dry out extra material and dispose of according to local regulations. Don't pour into sewer systems or storm drains.
- Remove spills promptly. Regular cleaning with AKEMI® Crystal clean is recommended. Avoid cleaners containing citrus or butyl compounds, or cleaners with a pH below 7.
- AKEMI® Stone-Sil 200 (NL) will not bridge or fill cracks, it only fills micro pores.

Technical Data:

Coverage:	natural stone after 200 grit approx. 200-250 Sq. ft./litre depends on the porosity of the stone
Colour:	slightly turbid
Active Ingredients:	100% of total solids
Specific Gravity:	1.11
Wt/GAL	8.79 Lbs
pH	11
VOC Content	<50g/L
Flash Point	N/A
Freeze Point	32°F (0°C)
Shelf Life	2 Years in unopened factory sealed container

Safety Measures:

KEEP OUT OF REACH OF CHILDREN. This product is alkali. Do not drink. If swallowed, do not induce vomiting, drink 2 glasses of water and call physician. Keep container closed tightly when not in use. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and call a physician if irritation persists. AKEMI® Stone-Sil 200 (NL) will dry out and irritate the skin. Clean skin with soap and water promptly. CAUTION: Surfaces wet with AKEMI® Stone-Sil 200 (NL) may be slippery. Additional precautions, safety information and first aid treatments are contained in the Material 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.