

AKEMI®



**MARBLE- AND
STONE CARE**



AKEMI® - TRADITIONAL PARTNER OF NATURAL STONE PROFESSIONALS

AKEMI has been producing chemical products for the treatment of artificial and natural stones for more than 75 years. On account of these decades of experience, AKEMI is the leading partner world-wide for stone-processing enterprises.

By means of intensive research and development, our comprehensive range of products is continually being improved and extended. The very high quality level of AKEMI's products is ensured by up-to-date production and filling plants as well as continual inspection and testing.

Your high-quality natural stone deserves being treated with our professional products. AKEMI's products for cleaning, protection and care of natural stones are available from dealers specialized in tiles, building material and natural stones. We would be pleased to provide you with information about AKEMI dealers in your neighbourhood.





MANY AKEMI PRODUCTS HAVE BEEN CERTIFIED BY EXTERNAL GERMAN TESTING LABORATORIES. THESE ATTEST IN PARTICULAR TO THE COMPATIBILITY OF MANY OF THE IMPREGNATING AGENTS AND CLEANERS WITH FOODSTUFFS OR ARE CONNECTED WITH THE LISTING AND REGISTRATION OF OUR DISINFECTANTS.



SHORT STONE GUIDE

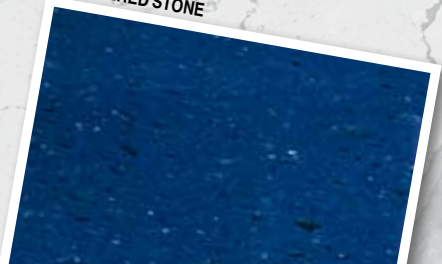
NATURAL STONE

In the case of natural stone, a distinction must be made between hard and soft rock. The hard types of rock include granite, gneiss, quartzite and porphyry. The soft types of rock include sandstone as well as limestone, e.g. marble (Thassos, Carrara, Estremoz, Palisandro etc.), Jurassic marble, Solnhofen stone, travertine, Botticino and Trani.

ARTIFICIAL STONE / ENGINEERED STONE

Artificial stone consists of pieces of natural stone which are bound together by means of synthetic resin or cement. Examples of cement-bound artificial stone are concrete ashlar or terrazzo. Examples of resin-bound artificial stone are agglomerate marble or quartz-based surfaces (Engineered Stone). AKEMI has developed a special care programme (Quartz Care) for Engineered Stone. Please ask for a specific brochure.

ENGINEERED STONE





MARBLE

SLATE

GRANITE

SENSITIVITY TO ACIDS

Particular kinds of natural stone consist mainly of calcium carbonate and are called limestone. Limestone, for example marble, is sensitive to acids! Cement-bound artificial stones, such as concrete ashlar, are also acid-sensitive. This is the reason why wine or fruit juice must be removed from the stone surface immediately. We strongly advise you to avoid using acidic cleaning agents for these kinds of stone.

Acid stain
on marble.





TREATMENT OF STONE FLOORING

■ INITIAL- AND BASIC CLEANING

A thorough cleaning with **AKEMI STONE CLEANER [1]** should be made prior to the protective treatment. Stone Cleaner has extremely intensive cleaning properties. It removes slight cement films, layers of stone care products, oil and grease, soot, tar and residues of synthetic paint as well as plaster.

■ PROTECTIVE TREATMENT

Most natural and artificial stones are sensitive to stains and for this reason they need a special kind of protection. **AKEMI STAIN REPELLENT SUPER [10]** (on some stones slight colour enhancement) and **AKEMI STAIN REPELLENT NANO-EFFECT [11]** (no colour enhancement) provide a preventive basic protection for your rough, ground or polished natural and artificial stone.



STAIN REPELLENT NANO-EFFECT
Protects natural stone very quickly and durably against stains.



In case you prefer the application of a product emulsified in water, we recommend **AKEMI STAIN REPELLENT W [9]** (on some stones slight colour enhancement). The treated stones are protected against stains caused by water, grease and oil. Yet, should stains do appear, these can be removed considerably easier. The treated surfaces retain their ability to breathe and it is easier to care for the stone surface. In places which are particularly exposed, the protective treatment should be renewed once a year after a basic cleaning.



STONE CLEANER

For the intensive cleaning of stone surfaces with heavy dirt.

TREATMENT OF STONE FLOORING

■ REGULAR CLEANING AND CARE

AKEMI CRYSTAL CLEAN (concentrate) [3] is used diluted for the daily removal of slight dirtying on all polished natural and artificial stones, fine stoneware and ceramics. Due to its balanced formulation, Crystal Clean dries fast and free of streaks. **AKEMI MILD STONE SOAP [2]** is a mild cleaning agent of all rough natural and artificial stone flooring. Even if it is regularly used, the structure and colour of the stone remains unchanged. Additionally, Mild Stone Soap contains high-quality care components.

■ NEW FINISHES

After a basic cleaning, dull and worn stone flooring should be polished up with the help of **AKEMI STONE POLISH WAX-BASED [15]** (slight colour enhancement) or **AKEMI POLISHING FLUID NO. 10-2012 [14]** (strong colour enhancement). Afterwards,



CRYSTAL CLEAN (CONCENTRATE)
For the daily cleaning
of polished stone flooring.



the surfaces will shine as though they were new. We recommend you use a polishing machine.

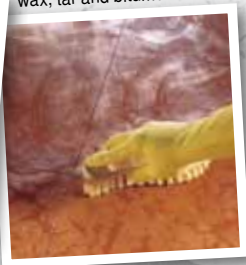
■ SPECIAL CLEANING

AKEMI WAX STRIPER [5] is the proper product if you want to remove wax stains from your stone flooring. It is also excellently suited to remove tar and bitumen. If there are oil or grease stains on your stone flooring, we recommend to use **AKEMI OIL- AND GREASE REMOVER PASTE [8]**. For a good cleaning success it is necessary to use the product immediately.

MILD STONE SOAP
For the
daily cleaning
of rough stone
flooring



WAX STRIPPER
Removes stubborn layers of
wax, tar and bitumen.



TREATMENT OF TABLETOPS, KITCHEN COUNTER TOPS AND WINDOW SILLS

■ BASIC CLEANING

Use **AKEMI STONE CLEANER [1]** for the basic cleaning of table tops, kitchen counter tops and window sills made of natural and artificial stone.

■ PROTECTIVE TREATMENT

Table tops and kitchen counter tops regularly get in contact with oil and grease. You should therefore protect your stone with **AKEMI STAIN REPELLENT SUPER [10]** (slight colour enhancement on some stones) or **AKEMI STAIN REPELLENT NANO-EFFECT [11]** (no colour enhancement). As the AKEMI

STAIN REPELLENT NANO-EFFECT

Protects natural stone quickly and durably against stains.



CRYSTAL CLEAN SPRAY

For the daily cleaning of slight dirtying.





Stain Repellent products have a water-repellent effect, they should also be used for the treatment of window sills. These are exposed not only to rain sometimes but also to spilt water from the watering can.

■ REGULAR CLEANING AND CARE

AKEMI CRYSTAL CLEAN [3] (pump spray ready-to-use)

is used for the daily removal of slight dirtying on all natural and artificial stones, fine stoneware and ceramics. Due to its balanced formulation, Crystal Clean dries fast and free of streaks. **AKEMI TRIPLE EFFECT [17]** is used for the occasional care impregnation. In one single operation three effects are achieved: cleaning, protection and care. Triple Effect



STONE POLISH SILICONE-BASED
For polishing of window sills,
table and kitchen tops.



TREATMENT OF TABLETOPS, KITCHEN COUNTER TOPS AND WINDOW SILLS

freshens up the basic impregnation and restores the lustre of the stone. In case the table or kitchen top should be polished once a year to high gloss, we recommend to use **AKEMI STONE POLISH SILICONE-BASED [16]**. This polish additionally preserves the natural colour and makes the surface easy to care.

■ OIL AND GREASE STAINS

Oil and grease stains in the kitchen and on the dining table can be removed with **AKEMI Oil and Grease Remover Paste [8]**.

STONE CLEANER

For the intensive cleaning of stone surfaces with heavy dirt.



OIL AND GREASE REMOVER PASTE

Thoroughly removes oil, grease and wax stains.





For a good cleaning success it is necessary to immediately treat the stain.

■ FOOD SAFETY

The **AKEMI STAIN REPELLENT products, AKEMI CRYSTAL CLEAN, AKEMI TRIPLE EFFECT, AKEMI STONE CLEANER**



and **AKEMI STONE POLISH SILICONE-BASED** are harmless to health upon contact with food products after hardening (certified by an external German testing institute).

■ CARE KITS

For the perfect care of your high-quality working top we recommend the **AKEMI Care Kit** (contains: Triple Effect, Oil and Grease Remover Paste, Stain Repellent Nano-Effect).



1 set in transparent clamshell
Art.No. 1 09 66

Contains:
500 ml Triple Effect
250 ml Oil and Grease Remover Paste
250 ml Stain Repellent Nano-Effect



TREATMENT OF STONE SURFACES IN SANITARY AREAS

■ PROTECTIVE TREATMENT

In order to ensure that your washstand as well as the floor and wall tiles of natural stone in your bathroom are protected and are easy to take care of, we recommend you to treat them with **AKEMI STAIN REPELLENT SUPER [10]** (on some stones slight colour enhancement) or **AKEMI STAIN REPELLENT NANO-EFFECT [11]** (no colour enhancement). Use of these products also makes the surface of the stone water-repellent which is an important factor on account of the high degree of moisture in the bathroom. Lime residues are no longer capable of adhering firmly to the stone and can therefore be easily wiped away from the surface. In addition, the Stain Repellent products and their oil- and grease repellent effect prevent creams, body lotions and other oily cosmetics from immediately penetrating into the stone.

■ REGULAR CLEANING AND CARE

AKEMI CRYSTAL CLEAN (ready-to-use pump spray) [3] is used for the daily removal of light dirtying on all natural and artificial stones, fine stoneware and ceramics. Due to its balanced formulation, Crystal Clean dries fast and free of streaks. In the bathroom we recommend the use of **AKEMI DISINFECTANT CLEANER [4]** for the cleaning of



deep staining on acid-resistant natural stones (such as granite and gneiss), as well as tiles, plastics, glass and high-grade steel. This product quickly removes stubborn lime residues, rust stains, soap residues and dirt. **AKEMI TRIPLE EFFECT [17]** is used for a periodical care impregnation. In one single operation three effects are achieved: cleaning, protection and care. Triple Effect therewith refreshes the lustre of the strongly used surfaces in bathrooms and restores the lustre of the stone. For the high gloss polish, we recommend to use **AKEMI STONE POLISH SILICONE-BASED [16]**.

DISINFECTANT CLEANER
Quickly and durably removes
lime and hard-water residues.
Also removes soap residues and stubborn dirt
in wet areas.



■ OIL AND GREASE STAINS

Oil and grease stains caused by cosmetic articles can be removed with **AKEMI OIL AND GREASE REMOVER PASTE [8]**. For a good cleaning success it is necessary to immediately treat the stain with Oil and Grease Remover Paste.



TREATMENT OF TERRACES, GARDEN PATHS AND FEATURES MADE OF STONE

■ PROTECTIVE TREATMENT

Terraces and garden paths, garden benches and tables, statues, balustrades made of stone should be treated with **AKEMI STONE IMPREGNATION [12]**. This water-repellent impregnation is excellently suited for the use outdoors. The stone maintains its ability to breathe. In areas where an additional oil- and grease-repellent effect is required, like e.g. a barbecue area, a garage doorway or a parking position, **AKEMI STAIN REPELLENT SUPER [10]** (on some stones slight colour enhancement) or **AKEMI STAIN REPELLEN NANO-EFFECT [11]** (no colour enhancement) should be applied. **AKEMI COLOUR INTENSIFIER [13]** intensifies the natural structure and colour on rough, sawed or flamed stones. This weather-resistant impregnation produces a permanent wet-effect which also resists strong solar radiation. Neutral or colourless stone surfaces are revalued.

■ CLEANING

Terraces made of natural or artificial stone which have become dirty on account of air or rain-borne pollution should be cleaned from time to time with **AKEMI STONE CLEANER [1]**. If fat has dripped onto your terrace during a barbecue, we recommend you to use **AKEMI OIL AND GREASE REMOVER PASTE [8]**. For a good cleaning

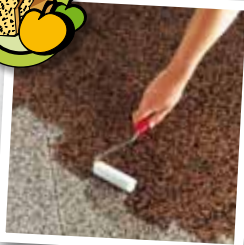
ALGAE AND MOSS REMOVER LONGLIFE
Prevents regeneration of films
caused by plants in the long run.



process it is necessary to immediately treat the stain with Oil and Grease Remover Paste. Unprotected enclosing walls and flagstones in the garden are continually being soiled by natural deposits. In addition, stone can be discoloured by blossoms, leaves and bird droppings. This dirt can be easily and quickly removed with **AKEMI ALGAE AND MOSS REMOVER POWER [6]**. **AKEMI ALGAE AND MOSS REMOVER LONGLIFE [7]** is – besides stone surfaces - excellently suited for wood, synthetic materials and roof tiles - ideal for spring-cleaning. **AKEMI ALGAE AND MOSS REMOVER LONGLIFE [7]** does not have though an immediate effect, yet it removes films caused by plants durably and prevents their regeneration in the long run.



OIL AND GREASE REMOVER PASTE
Removes oil and grease stains.



COLOUR INTENSIFIER
Intensifies colour and structure of the stone
by means of a permanent wet-effect.



TREATMENT OF GRAVESTONES

■ PROTECTIVE TREATMENT

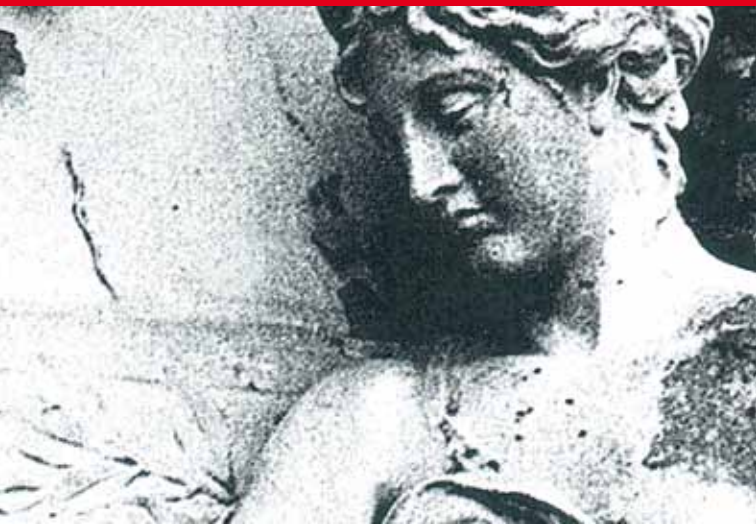
On account of the shade and the damp climate which many cemeteries have in common, gravestones are continually being soiled by natural deposits. A prophylactic water- and dirt-repellent treatment with **AKEMI STONE IMPREGNATION [12]** slows down this process. The stone maintains its ability to breathe.

■ CLEANING AND CARE

If natural deposits have already accumulated on a gravestone, they can be easily removed with **AKEMI ALGAE AND MOSS REMOVER POWER [6]**. The product also removes discolora-



STONE IMPREGNATION
Repels water and dirt.



tions caused by blossoms and leaves as well as bird droppings and other stubborn forms of dirt. We recommend you to use **AKEMI STONE POLISH SILICONE-BASED [16]** for the care of polished gravestones. This product preserves the natural colour of the stone and renews its lustre.

■ MONUMENT CARE KIT

For a simple application of our products we compiled a complete set of equipment (contains: Stone Cleaner, Stone Impregnation, Stone Polish silicone-based).



1 set in a portable case, Art.No. 1 09 02

Contents:

250 ml Stone Cleaner
 250 ml Stone Impregnation
 250 ml Stone Polish silicone-based
 1 sponge, 1 cloth, 1 polishing cloth, 1 brush,
 1 pair of gloves, 1 mixing cup

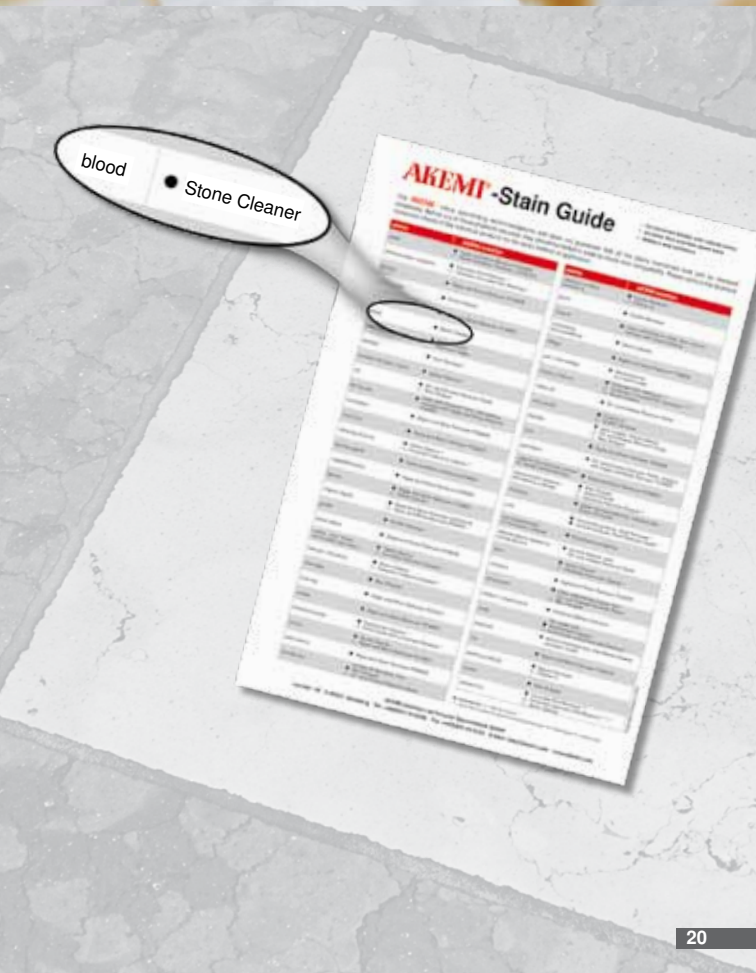


STAIN GUIDE AND INDIVIDUALIZED STONE CARE RECOMMENDATION

Further precise information on the subject “removal of stains” is given in our stain guide which is available at your AKEMI Dealer or on our website www.akemi.com.

In addition you can issue and print your own individualized **stone care recommendation** for more than 10.000 natural and artificial stones on our homepage www.akemi.com. These recommendations do not only take account of the type of stone but also of its composition (e.g. ground or polished) and field of application (e.g. kitchen working tops or bathroom).





APPLICATION SCHEME


	★							
Cleaning	1	2	3	4	5	6	7	8
Initial cleaning, building dirt	■							
Regular cleaning		■	■					
Layers of wax and stone care products	◆				■			
Cement films, efflorescence	◆							
Lime residues, soap residues	◆			■				
Superficial oils, grease, lubricants	■		◆		◆			
Oils, grease, lubricants								■
Soot, tar, shoe abrasion	◆							
Fresh paint residues	◆				◆			
Natural deposits						◆	■	
Mortar, plaster	◆							
Discoloration caused by blossoms, leaves						■		
Residues of candle wax, paraffin layers					■			■
Discoloration caused by sealants								■

	★							
Impregnation	9	10	11	12	13			
Colour intensifying		◆			■			
Foodsafe ¹⁾	■	■	■		■			
Oil- and grease repellent	◆	■	■					
Protection against staining drinks	◆	■	■					
Water-repellent	◆	■	■	■	■			
Protection against paint scrawling		■	■		◆			
Long-term effect		■	■	■	■			
Application on humid surfaces	◆							

Care	14	15	16	17	18			
Regular care		◆	◆	◆	■			
Polished surfaces	■	■	■	■				
Lustre on fine ground surfaces	■							
Freshens up lustre	■	◆	◆	◆				
Water-repellent	■		■	◆				
Foodsafe ¹⁾			■	■				

■ very suitable ◆ suitable

★ not suitable for polished limestone (s.a. marble)

¹⁾  After hardening the product is harmless to health upon contact with food products (certified by an external German testing institute).

- 1 Stone Cleaner**
For the intensive cleaning of deeply soiled stone surfaces.
Foodsafe ¹⁾.
- 2 Mild Stone Soap**
For the regular cleaning and care (on rough stone).
- 3 Crystal Clean**
For the daily cleaning of light dirtying (on polished stone).
Dries quickly without leaving streaks. Foodsafe ¹⁾.
- 4 Disinfectant Cleaner** ★
Quickly and durably removes residues of lime and hard-water.
Removes soap residues and stubborn dirt in wet areas.
- 5 Wax Stripper**
Removes stubborn layers of wax as well as tar and bitumen.
- 6 Algae and Moss Remover POWER**
Removes natural deposits from stone surfaces outdoors
(terraces, enclosing walls, flagstones, gravestones etc.).
- 7 Algae and Moss Remover LONGLIFE**
Prevents the regeneration of dirt caused by plants in the long run.
- 8 Oil and Grease Remover Paste**
Thoroughly removes stains caused by oil, grease and wax.
- 9 Stain Repellent W** ★
Protects natural stones against stains. Oil-, grease- and water-repellent. Emulsified
in water, odourless. Foodsafe ¹⁾. Causes colour enhancement on some stones.
- 10 Stain Repellent Super**
Durably protects natural stone against stains. Oil-, grease- and water-repellent.
Foodsafe ¹⁾. Causes colour enhancement on some stones.
- 11 Stain Repellent Nano-Effect**
Quickly and durably protects natural stone against stains. Oil-, grease- and water-
repellent. Foodsafe ¹⁾. No colour enhancement.
- 12 Stone Impregnation**
Repels water and dirt.
- 13 Colour Intensifier**
Intensifies colour and structure of the stone by means of a permanent wet-effect.
Water- and dirt-repellent. Foodsafe ¹⁾.
- 14 Polishing Fluid No. 10-2012**
Polishing fluid, fast drying, brings shine on worn stone flooring.
Use of a polishing machine is recommended.
- 15 Stone Polish wax-based**
For the regular care of smooth stone flooring. Environmentally-friendly.
- 16 Stone Polish silicone-based**
For polishing window sills, tables, kitchen working tops and gravestones. Cleans
and cares in one single operation. Foodsafe ¹⁾.
- 17 Triple Effect**
Cleans, protects and cares in one single operation.
Foodsafe ¹⁾.

Retailer's stamp:

Please notice: The above information is based on the latest stage of our 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. Observation of Technical Data Sheet is mandatory (www.akemi.com).

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