

# AKEMI®

## CERAMICS - LINE -



## THE PROFESSIONAL CARE FOR:

ceramic tiles,  
porcelain stoneware  
and clinker!

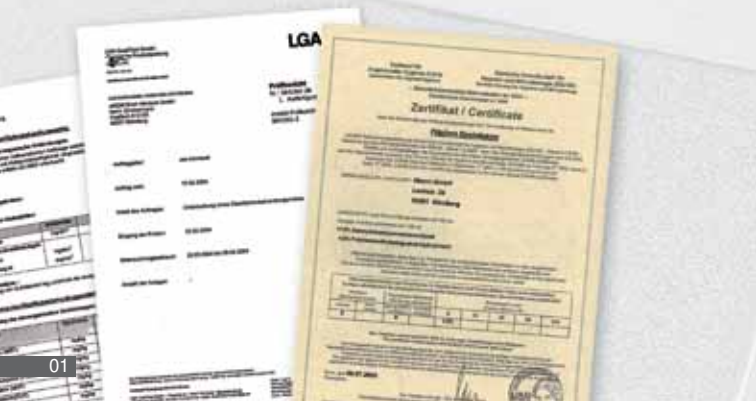




## AKEMI® TRADITIONAL PARTNER FOR TILE- AND NATURAL STONE PROFESSIONALS

Ever since its foundation in 1933 the Nuremberg based chemical company AKEMI has been producing speciality products. Due to decades of experience, AKEMI is the worldwide leading partner for the professional treatment of natural- and artificial stone. Based on distribution in over 90 countries, regional characteristics in manufacturing, treatment, laying and maintenance of natural stone tiles, ceramics, cotto, clinker and artificial stones are well-known. AKEMI is advising manufacturers in various processing countries with respect for pre-treatment in the factory.

With the aid of intensive research and development the vast AKEMI-product range is continuously being expanded and optimized according to the ever changing demands.



# CERAMICS - LINE -



Why not profiting from our knowledge and treating your tiles with our professional products from the **AKEMI CERAMICS-LINE**? Those are available at tile- and building material retailers. We would be happy to inform you about your nearest **AKEMI**-retailer.



## SMALL CERAMICS-ABC

The main ingredient of ceramic is clay (Greek: "Keramos").

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The most important additives are feldspar, kaolin and quartz. Coloured oxides, which are generally part of the raw materials, add colour to the ceramic body (e.g. iron oxide)

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The ceramic surfaces can be coloured through glazing (glass-coatings).

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The ceramic fragments can be formed by adding water at room temperature and converted into its final hard condition through firing at above 900°C.



**CERAMIC TILES CAN BE DISTINGUISHED AS FOLLOWS:****EARTHENWARE**

Earthenware is very porous with a very high water absorbance from over 10%. Since it isn't frost resistant, its use is restricted to indoor areas.

**STONEWARE**

Stoneware is less porous than earthenware with a lower water absorbance of less than 3%. It's therefore frost resistant and can also be used outdoors.

**PORCELAIN STONEWARE**

Porcelain stoneware is produced from finely processed ceramic raw materials, rich in quartz and feldspar, which are grouted under strong pressure. Due to its' high abrasion- and breaking resistance, fine stoneware is favoured for use in highly stressed areas.

**COTTO/TERRA COTTA**

Cotto, also known as Terra Cotta (Latin for, "baked earth"), is a breathing material made of components from red clay. At the time of the Etruscans, cotto was already fired from Northern-Italian clays around Siena and in the Chianti region. AKEMI offers an especially adapted care- and maintenance range for Cotto, the "COTTO-Line". A separate catalogue is available on demand.

**CLINKER**

Clinker belong to the group of so called "heavy ceramics", which defines that the grain size of the ceramic fragment is over 0,05 mm. This frost-resistant material finds its use as floorand wall-coverings (revetment) for outdoor areas.





## **FINAL CLEANING AFTER CONTRUCTION WORK AND JOINTING/TILING**

We recommend **AKEMI CERAMICS CONCRETE FILM REMOVER** for the removal of all kind of dirt from the construction phase (especially concrete film, jointing material remains and building dirt). This concentrate can be applied either undiluted or diluted with water up to 1:20, according to the degree of dirt. The product's formulation completely avoids hydrochloric acid and hence assures that no corrosive fumes will escape during its use. Nonetheless, the **AKEMI CERAMICS CONCRETE FILM REMOVER** remains highly effective. This product is free from solvents and convenient to use due to its odourless property.

CERAMICS  
CONCRETE FILM REMOVER

**FREE FROM  
HYDROCHLORIC ACID**

CERAMICS PROTECTOR W



## PROTECTIVE TREATMENT AFTER THE FINAL CLEANING OF BUILDING DIRT

Following the basic cleaning with **AKEMI CERAMICS CEMENT FILM REMOVER** or with **AKEMI CERAMICS INTENSIVE CLEANER**, unglazed ceramic surfaces in kitchens, bath rooms, entrance areas or in other heavily soiled areas should be subjected to a water-, oil- and dirt repelling treatment. This is also applicable for the impervious porcelain stoneware tiles, having micro porous surfaces, which allow the formation of stains.

For the protection of ceramic surfaces we recommend the use of **AKEMI CERAMICS PROTECTOR W**. This product is a water-based, non-yellowing and weather-resistant impregnator with excellent durability. It doesn't build any layers and is very efficient. No odour nuisance arises during application, making it very suitable for application in rooms already in use. After hardening the product is foodsafe - certified by an external German testing institute.

**TIP:** The surface of glazed fine stoneware is insensitive to stains, yet, joints should be impregnated with **AKEMI CERAMICS PROTECTOR W** to reduce adherence of dirt.



## MAINTENANCE CLEANING OF TILES

Best suited for the daily cleaning is **AKEMI CRYSTAL CLEAN**. Simply add 4-5 screw cups of this acid- and lye-free cleaning agent into a bucket of water (approx. 8l) and subsequently clean the tiles with a mop. The result is a pleasantly scented surface, completely free from streaks. All ingredients are biodegradable.



CRYSTAL CLEAN

CERAMICS  
MILDEW REMOVER



URINE SCALE AND  
LIMESCALE REMOVER





OBJECT-DESINFECTOR

## CLEANING OF SANITARY AREAS

Stubborn lime scale, incrusted soap residues and urine scale in bathrooms and toilets can be best removed with **AKEMI URIN SCALE AND LIMESCALE REMOVER**. As an occasional additive in cleaning water for the cleaning of floor- and wall surfaces we recommend **AKEMI DISINFECTANT CLEANER**. This product is also best suited for the cleaning of wash basins, taps, shower partitions, swimming pools and bath rooms.

**AKEMI CERAMICS MILDEW REMOVER\*** is best applied for the quick and effective removal of mildew and mould spots on cement- and silicone joints in sanitary areas, as well as on natural stones, masonry, plastering or other mineral substrates. **AKEMI OBJECT-DISINFECTANT\*** is a fastacting and ready to use disinfectant for all materials with direct body contact (e.g. door handles, toilet seats, taps). The product has a wide spectrum of activity against bacteria, viruses and fungi and is approved and listed at the Association for Applied Hygiene e.V. (Verband für Angewandte Hygiene e.V.).

\* Use biocides safely.

To avoid risks for humans and environment obtain instructions.



## BASIC CLEANING OF CERAMIC SURFACES

It's advisable to thoroughly clean the ceramic surfaces from time to time (e.g. spring cleaning). **AKEMI CERAMICS INTENSIV CLEANER** quickly and easily removes heavy soiling like e.g. oil- and grease residues, soot, rubber stains as well as different waxes and self-gloss emulsions. This concentrate is highly effective, acid-free and very efficient.

## SPECIAL CLEANING AND STAIN REMOVING

For more information about „Removal of other stains and dirt“, please consult our Stain Guide, available at AKEMI speciality retailer or go to our website: [www.akemi.com](http://www.akemi.com)





## OVERVIEW OF AKEMI CERAMICS-LINE

### CLEANING & CARE

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|----------|--|
| <b>1</b> | <b>CERAMICS CEMENT FILM REMOVER</b> (for final cleaning of construction dirt)                                |
|          | Art. Nr. 1 19 85   1000 ml-bottle  |
|          | Art. Nr. 1 19 86   5000 ml-canister  |
| <b>2</b> | <b>CRYSTAL CLEAN</b> (for daily cleaning)  |
|          | Art. Nr. 1 09 54   500 ml-bottle with spray head (ready-to-use)  |
|          | Art. Nr. 1 09 55   1000 ml-bottle (concentrate)  |
|          | Art. Nr. 1 09 56   5000 ml-canister (concentrate)  |
| <b>3</b> | <b>URIN- AND LIMESCALE REMOVER</b> (easily removes stubborn lime scale and urine scale)                      |
|          | Art. Nr. 1 19 82   1000 ml-bottle  |
|          | Art. Nr. 1 19 80   5000 ml-canister  |
| <b>4</b> | <b>DISINFECTANT CLEANER</b> (for cleaning of bath rooms, taps, wash basins, showers)                         |
|          | Art. Nr. 1 08 26   1000 ml-bottle  |
|          | Art. Nr. 1 08 27   5000 ml-canister  |
| <b>5</b> | <b>CERAMICS MILDEW REMOVER</b> (removes mildew and mould)  |
|          | Art. Nr. 1 08 98   500 ml-bottle   |
| <b>6</b> | <b>OBJECT DISINFECTANT</b> (fast disinfecting agent)   |
|          | Art. Nr. 1 19 69   500 ml-bottle with spray head   |
|          | Art. Nr. 1 19 70   5000 ml-canister  |
| <b>7</b> | <b>AKEMI CERAMICS INTENSIV CLEANER</b><br>(thoroughly cleans porcelain stoneware, clinker and ceramic tiles) |
|          | Art. Nr. 1 19 20   1000 ml-bottle  |
|          | Art. Nr. 1 19 21   5000 ml-canister  |

### PROTECTION

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|----------|--|
| <b>8</b> | <b>CERAMICS PROTECTOR W</b> (water based impregnation) |
|          | Art. Nr. 1 19 26   1000 ml-bottle                      |

dealer stamp:

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**AKEMI®**

**AKEMI chemisch technische  
Spezialfabrik GmbH  
Lechstraße 28  
D-90451 Nürnberg**

**Tel.: +49(0)911-64 29 60**

**Fax: +49(0)911-64 44 56**

**[www.akemi.com](http://www.akemi.com)**