

**S H I E L D**

**SHIELD:**  
ANTIMICROBIAL  
PROCESS  
THAT HELPS  
TO REDUCE  
BACTERIAL GROWTH  
FOR CLEANER  
MORE PLEASANT  
LIVING SPACES.



**We are becoming more and more aware of the need to consider cleanliness in all the choices we make every day.**

Focusing on the creation of cleaner and more pleasant living-spaces, our research laboratories have developed the new **Shield** process, which can be applied to all of our floor and wall coverings.

Thanks to its built-in antimicrobial technology **Shield** actively reduces up to 99.9% of bacterial growth on ceramic surfaces treated. This makes **Shield** ideal for use in environments where hygiene and cleanliness are critical, such as in homes or workplaces.

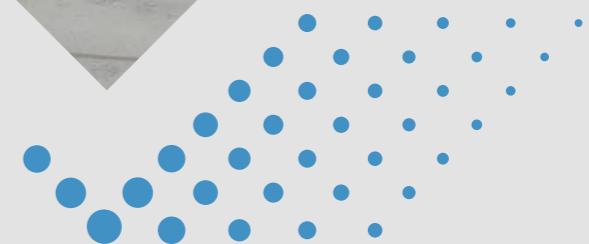
Delivers up to  
**99.9%**  
reduction in  
*Escherichia coli* and  
*Staphylococcus aureus*  
on treated  
surfaces

# SHIELD WITH SILVER IONS



Shield is based on proven antimicrobial technology, developed to rigorous industry standards, consisting of a silver ion ingredient additive that helps to reduce bacterial growth by hindering their survival, reproduction and colonisation on treated surface.

Protection  
**24/7**





# TECHNOLOGY



**Shield by Emilgroup achieves the highest levels of antimicrobial performance according to the most popular laboratory test methods.**

Such effective protection and continuous reduction of bacterial populations on surfaces are made possible through the addition of antimicrobial silver technology. Integrated into the **Shield\*** process, antimicrobial silver technology delivers up to **99.9% reduction** in *Escherichia coli* and *Staphylococcus aureus* on the treated surface.


**Shield** ensures 24/7 surface protection and complements regular cleaning routines in medical facilities, homes and public buildings, because it is always active, irrespective of UV levels.

It also helps prevent the formation of stains and unpleasant smells on ceramic surfaces. The antimicrobial treatment is integrated into the ceramic material during the production process and guarantees permanent surface protection in all lighting conditions.

The silver based technology helps inhibit the proliferation of bacteria and - unlike standard cleaning chemicals, which lose efficacy once the treated surface dries - the built-in technology of **Shield** remains active 24/7, helping reduce the risk of bacterial cross-contamination from surface to surface.

**\* Contains the active substance: Silver Phosphate Glass.**





# PLUS FACTORS



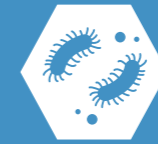
From today, Emilgroup ceramic surfaces remain cleaner and fresher thanks to the innovative Shield process, which delivers constant surface protection and improved levels of cleanliness.



# PLUS FACTORS



ELIMINATES UP TO 99.9% OF BACTERIA  
ON THE TREATED SURFACE



The silver ion ingredient additive helps to combat bacteria growth by hindering their survival, reproduction and colonisation on the treated surface.

HIGHER LEVEL OF SURFACES  
CLEANLINESS



Thanks to its built-in antimicrobial properties, Shield helps prevent staining caused by bacterial growth and keeps surfaces cleaner for longer.

HELPS TO ELIMINATE  
UNPLEASANT SMELLS AND ODOURS  
CAUSED BY BACTERIAL GROWTH



It helps prevent the formation of undesirable smells for creating more pleasant living-spaces.

NO NEGATIVE IMPACTS ON AESTHETICS  
OF CERAMIC SURFACES



The inclusion of silver ion technology in the ceramic process has no negative effects on our products' looks or quality.

SUSTAINABLE  
TECHNOLOGY



The silver-based technology integrated into the Shield process has a long history of safe use and can be found in a wide range of consumer, industrial and healthcare products. The technology is in full compliance with global regulatory bodies and is not hazardous for the environment.

PERMANENT SURFACE  
PROTECTION



Which will not wash off, wear away or leach out. Built-in antimicrobial protection remains active 24/7 and effective throughout the product's entire life cycle.

PORCELAIN STONEWARE  
RESISTANT TO MOLD AND  
MUSHROOMS



Emilgroup ceramic can be easily and effectively cleaned with normal household detergents and its inert surface does not facilitate proliferation of fungi and molds.

ALWAYS EFFECTIVE,  
EVEN IN THE DARK



Shield contains a technology that's constantly active in all light conditions, even with no UV radiation.





# INTENDED USES



Ceramic surfaces made through the Shield process are suitable for use in any living-spaces, including residential, commercial or public. They are particularly useful in contexts where the utmost surface hygiene and cleanliness is required.

- MEDICAL INSTITUTES
- HOSPITALS
- CLINICS
- DOCTORS' SURGERIES
- CARE HOMES
- WELLNESS CENTRES
- SPAS
- SWIMMING-POOLS
- GYMS
- SCHOOLS
- AIRPORTS
- STATIONS
- HOTELS
- FOOD PROCESSING PLANTS AND MARKETS
- ABATTOIRS
- CATERING SERVICES
- PUBLIC AND COMMERCIAL OFFICES
- CANTEENS
- PUBLIC AND PRIVATE KITCHENS, BATHROOMS AND WASHROOMS





## ALL EMILGROUP PRODUCTS CAN BE SHIELD

All Emilgroup range products can be supplemented with this innovative process, without impacting their looks and qualities but enhancing the cleanability and durability of their surfaces.

Ceramic products with the **Shield** process are currently produced to order.

EMIL  
CERAMICA

ERGON  
engineered stone

PROVENZA

VIVA  
MADE

LEVEL

The antimicrobial technology featured in Emilgroup products is not designed to protect users or others against disease-causing microorganisms or viruses. Normal cleaning and hygiene practices should be maintained. Antimicrobial claims apply to the EU only and may not be legally allowed in other countries or regions.







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