

BIONI SYSTEM

The first effective and efficient solution for the food and beverage industry

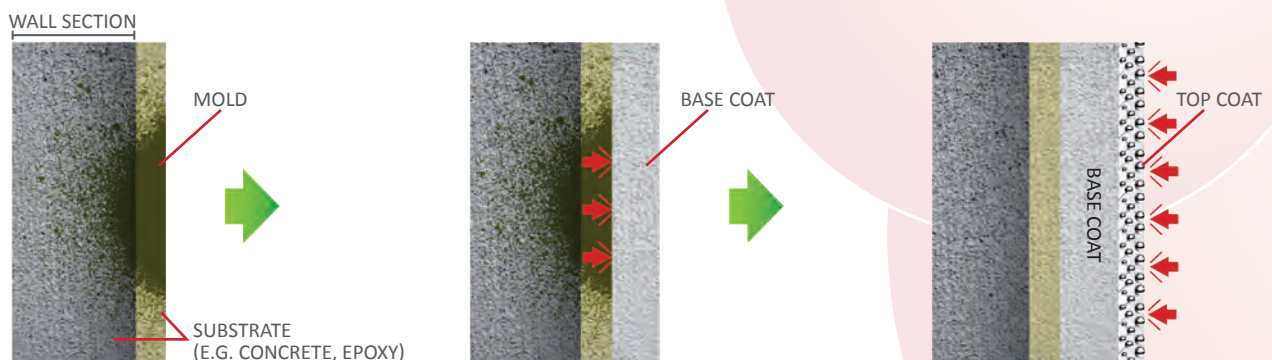


A durable system which protects against mold, mildew and bacteria.

Mold in all areas of food production is a significant hygienic problem and remediation is often extremely expensive. A thorough cleaning of equipment, conveyor belts and surfaces will only partially solve these problems. Difficult areas to clean, such as ceilings and walls, contribute to the problem. The heightened growth of micro-organisms increased by humidity created in the cleaning process, results in loss of production and the need for constant maintenance.



Two Stage System



Quite often, residual moisture, mold, and mildew of building surfaces are only partially visible. Moisture, spores and fungal biomass are in deeper layers of the substrates. (e.g. concrete, epoxy)

After mechanically cleaning the substrate *Bioni System* base coat can be applied directly on the mold affected substrate.

No disinfection and power washing is necessary. The *Bioni System* can be applied directly over existing mold and rust.

Bioni Wall Coating System - Unmatched green performance.

By virtue of *Bioni's* green nanotechnology product philosophy, *Bioni System* is environmentally safe and exceeds indoor air quality regulations measured in Volatile Organic Compounds (VOC).



Bioni System is the first nanotechnology based coating system specifically designed and perfectly matched for the requirements of the food industry. *Bioni* coatings were developed jointly with the *Fraunhofer Institute*, which is one of the world's largest scientific Institutes. These developments led to the unique, *US patented*, nano-protection mechanism which provides an eco-friendly long term protection against the colonization of mold, mildew and bacteria even in very damp environments.

Bioni System provides protection against mold and mildew in both directions. Mold biomass in the substrate will not permeate through the *Bioni System* from behind. The System top coat delivers permanent protection against microbes coming from the interior of the room.

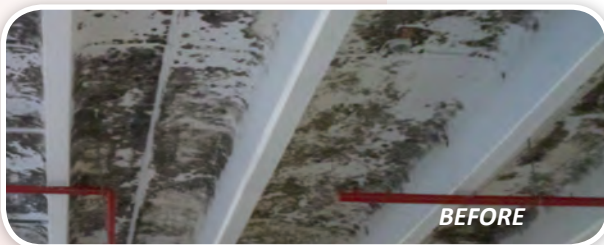
A premium system for the highest expectations.

Bioni System is water-based, odor-free and free of conventional toxic biocides. Therefore, it's safe to use in food and beverage processing facilities. **Bioni** also provides an outstanding resistance against water, cleaning and disinfectants. This superior solution reduces the frequency of renovations significantly and prevents the regular need for costly and time consuming maintenance.



Benefits

- Provides permanent protection against mold, mildew and bacteria on the coating film
- 100% reduction against **E. Coli, Listeria, Pseudomonas, other**
- Unmatched cost-saving benefits
- Low-VOC, eco-friendly formula
- Superior performance in high moisture areas
- Highest Class A non-flammable (0 flame spread, 5 smoke development)
- Directly applicable over **rust** and **mold**
- US patented technology (Patent # US 7736423)



Features

- Specially formulated to prevent growth of microbes on the coating film only
- Highly resistant to chemicals and disinfectants
- Performs in high-moisture areas
- Moisture-resistant and vapor-permeable
- Exceeds indoor air quality regulations measured in VOC
- Eco-friendly formula for environmental protection. Can earn LEED credits
- Odor-free and can be applied in occupied areas
- Resists the wear and tear of power washing
- Fire rating: Class A (ASTM E84)
- Water-based, free of solvents and safe to use
- Has superior flow, hiding and adhesion qualities
- Tested by independent laboratories



Technical Information



PRODUCT TECHNOLOGY

Pure acrylic coatings based on nanotechnology.



COLOR

White and 1,750 colors.



COVERAGE

FS 9800 BC - Please refer to TDS
FS 9700 BC - Please refer to TDS
FS 9900 TC - Please refer to TDS



APPLICATION METHOD

To be applied by brush, roller or sprayed using suitable equipment.



AREA OF APPLICATION

For indoor use.
For walls and ceilings in food and beverage processing facilities as well as catering and kitchen operations.



SUBSTRATES

Oil and new plastered walls, ceilings, previously-painted walls and ceilings, concrete, sand-lime bricks and various wall panels.



INDOOR AIR QUALITY

VOC: < 5 g/l
(according to ISO 11890-2)



SAFETY

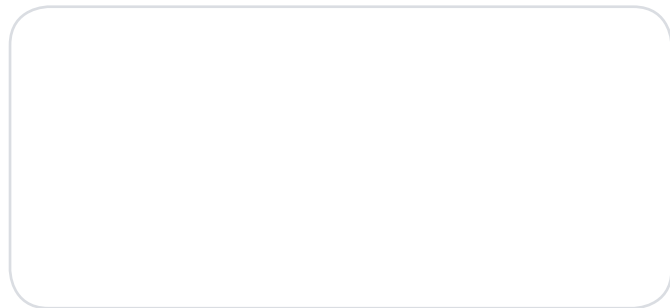
Fire Rating: Class A
(according to ASTM E84)



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