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der Mehrwert am Milchsammelwagen



erfahren · verlässlich · innovativ

mit system zum erfolg

Permanent protection against mold



Mold is a significant hygienic problem in production and storage rooms of the food industry, and is often extremely expensive and difficult to eliminate. A thorough cleaning of equipment, conveyors and surfaces will only partially solve the problem, and areas that are difficult to clean, such as ceilings, add to the problem. The growth of microorganisms is exacerbated by the humidity created in the cleaning process, resulting in loss of production and the need for constant maintenance.

Bioni Hygienic is the first nanotechnology-based wall paint whose properties perfectly match the needs of the food industry. A patented protection mechanism developed in cooperation with the renowned German Fraunhofer Institute for Chemical Technology provides for the first time a durable and eco-friendly long term protection against the colonization of mold, mildew and microbes. ICT scientists have bonded small silver particles (13 nm/diameter) to the surface of the

paint without adding the usual toxic biocides, which are at best only temporarily effective in the prevention of mold. Bioni's optimal moisture-regulating properties guarantee maximum protection. The German technical support organization TÜV-Produkt und Umwelt in Cologne has proved that Bioni products do not contaminate ambient air. In addition, Bioni Hygienic has optimal adhesion properties, is extremely resilient and resistant to chemicals.

When walls and ceilings have repeatedly been affected by mold, the



sub-grade will have been colonized by micro-organisms and spores. Disinfecting the surface is not enough because disinfectants are normally not able to reach the deep layers of material. Removing the contaminated surface of a concrete ceiling is extremely difficult and problematic; milling or sandblasting the surface will only increase the spread of spores and dust, thereby further polluting the storage/production rooms. To solve the problem, Bioni offers a special primer coat which can be directly applied to the contaminated surface. It seals the old biomass with a layer of insulation. The surface must first be wiped clean before applying the primer, eliminating the need for costly high-pressure cleaning, disinfectants or removal of surface material. Once the eco-friendly primer has dried, it becomes as hard as concrete and offers an ideal mold-free subsurface for



the final coat of Bioni Hygienic Paint. The unique Bioni system is ideally suited for the restoration of old and new plaster, previously-painted walls, concrete, sand-lime bricks, and various wall panels, i.e. coated or treated boards, drywall and sheet rock, etc.

Bioni has had great success worldwide in restoring mold-contaminated surfaces which have been so problematic for the food industry. The Bioni Company offers a full range of services and customer-care including preliminary assessment, damage analysis, microbiological pre-analysis, a staff of trained personnel to apply its full line of products and periodic monitoring of the painted surfaces. This guarantees maximum safety and continual success of the restoration process.

www.bioni.de

