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PAINT AND COATINGS

BIONI CS GMBH

A new paint for hospitals defeats bacteria with invisible Silver-Particles.

In the course of a research project, German paint and coatings manufacturer Bioni CS GmbH, together with research scientists of the renowned Fraunhofer Institute for Chemical Technology have developed a new type of paint which not only permanently prevents the formation of mould on walls, but also effectively reduces hospital bacteria which are resistant to antibiotics.

The increase in MRSA infection in hospitals is a growing concern for both doctors and patients all over the world and many people are frightened that they could pick up a dangerous infection if they go into hospital. A new type of paint puts now an end to micro-organisms and is thus able to improve the level of hygiene in hospitals and clinics.

Bioni Hygienic represents a new generation of intelligent coatings in the paint market and has been developed exclusively for medical facilities together with scientists of the renowned German Fraunhofer Institute for Chemical Technology. The unique paint has been modified with invisible Silver-Particles with an average diameter of 13 Nano-Metres (13 millionths of a millimetre), which makes it extremely effective against bacteria and germs not just permanently, but also healthfully. According to studies conducted by

the "Institute for Hospital Hygiene and Infection Control (IKI)" in Giessen, Germany Bioni Hygienic achieves a 5-log reduction (99.999 percent) of hospital bacteria such as Staphylococcus Aureus or Enterococcus Faecium.



But in hospitals in particular, paints and coatings are also subject to high chemical and mechanical demands. In order to meet these demands Bioni Hygienic has been designed with an excellent resistance to disinfectants, acids and solvents and a superior washability. Furthermore, the coating is non-flammable, permeable to water vapour, has a superior flow and hiding, is free of solvents and softeners, environmentally friendly and almost odourless. It is recommended for areas where a high degree of hygiene is required such as hospitals, clinics, doctors' surgeries, retirement homes, rehabilitation centres but also in the food industry, canteen kitchens, schools and kindergartens.

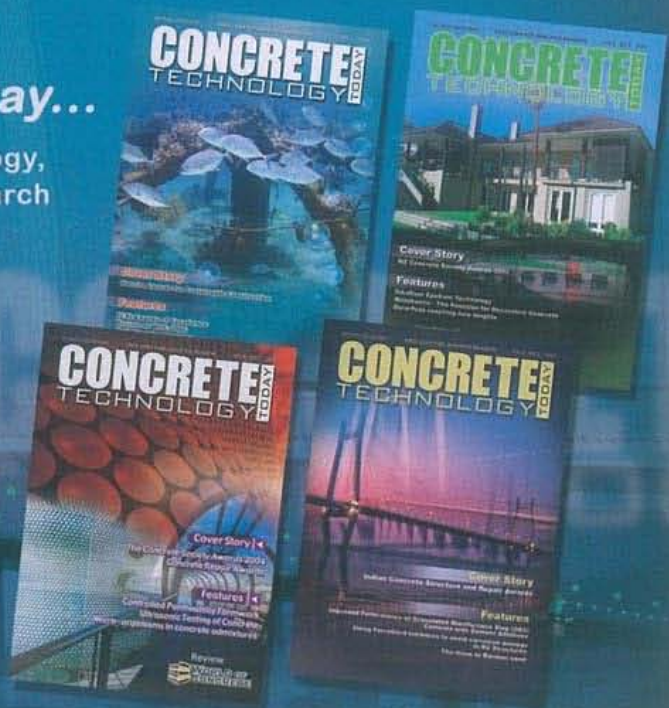
Additional information can be found on www.bioni.de.

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