



ANTIBACTERIAL AND ANTI-STATIC EPOXY FLOORING SYSTEMS

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中关村论坛



SAVEMA epoxy floor

New SAVEMA antibacterial and anti-static epoxy floor



Environmentally friendly
Excellent mechanical resistance
Chemical resistance
Decorative smooth surface
Prevents dust accumulation



PROBLEM

1. Static electricity

- Created a spark can ignite an explosive mixture of gases and vapors or explosive materials.
- Electrostatic discharge - damage sensitive electronic equipment.
- Legal requirement- antistatic floor



PROBLEM

2. Bacteria, mould and fungi on surfaces

- Found in every environment
- Microbes multiply on surfaces
- *MRSA*, *Escherichia coli*, *Staphylococcus*, *Salmonella*..., can be caught by cross-contamination, leading to infection and disease.

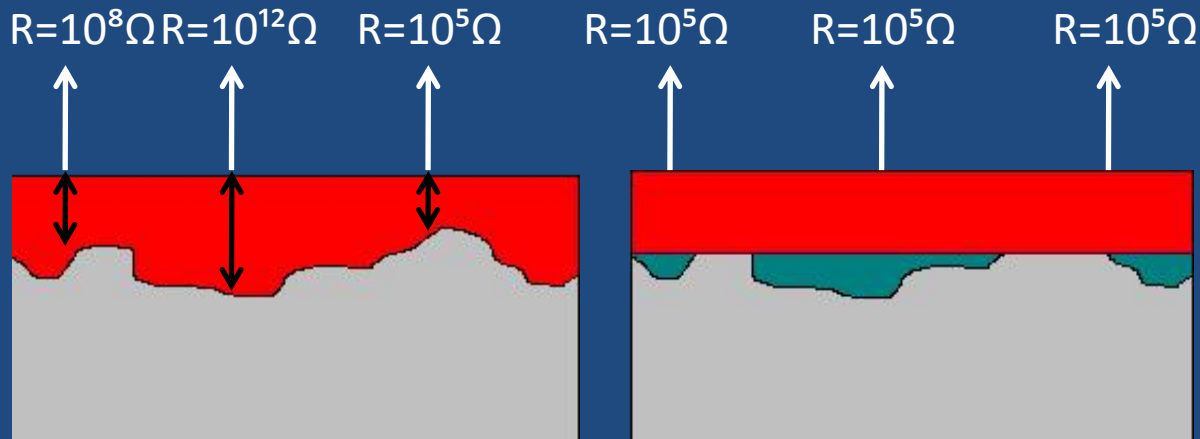


PROBLEM

3. Sensitivity of the existing competitive products

COMPETITION

(max. 2.5 kg/m² consumption of materials in the final layer of epoxy floor)



Multifunctional SAVEMA floor

Electrically conductive

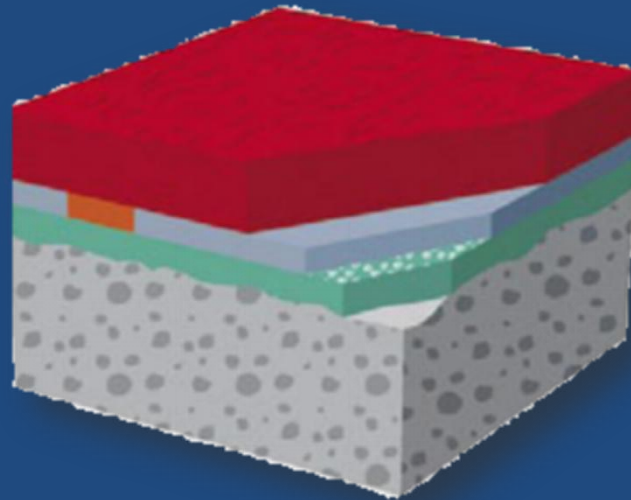
Antimicrobial

Long use

Do not spark

High mechanical
resistance

Application on wet
surface



Easy to maintain
and cleaning

Decorative

High chemical
resistance

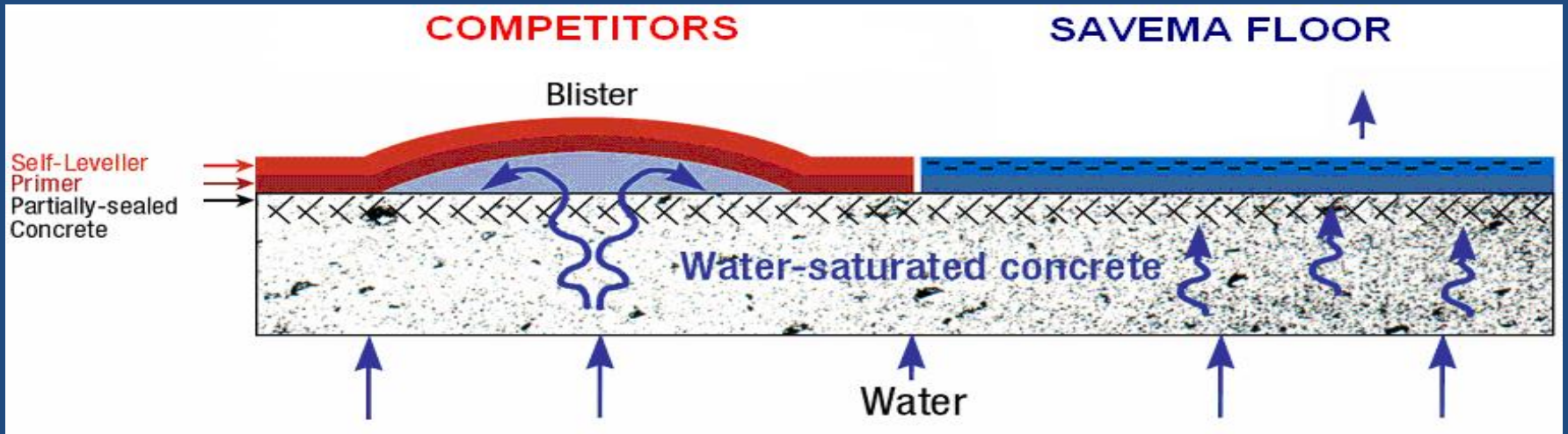
Environmental

Simplifies the installation



Advantages

I. APPLICATION ON WET SURFACES



Advantages

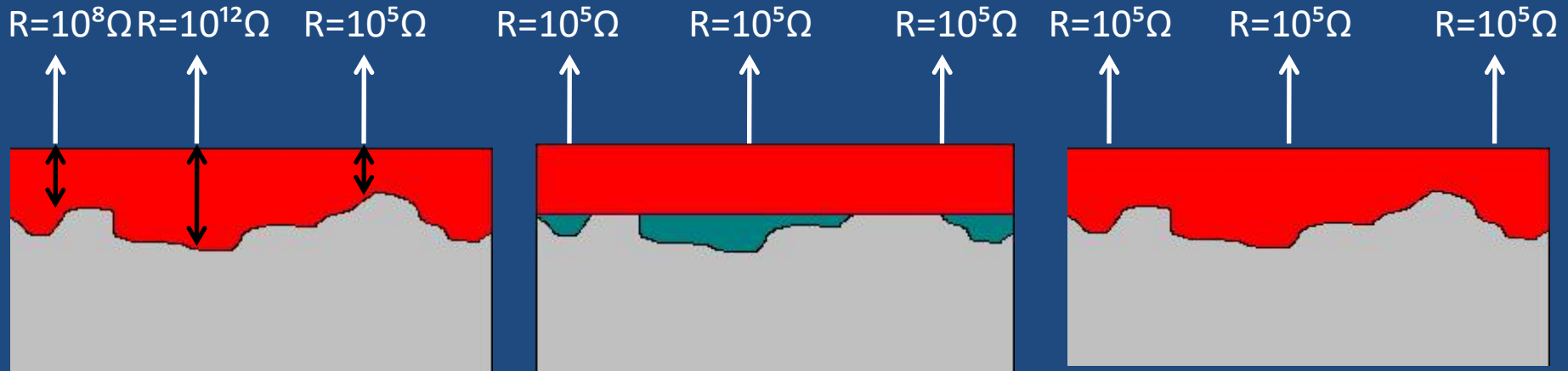
II. SENSITIVITY OF THE MATERIAL DURING APPLICATION

COMPETITION

(max. 2.5 kg/m² consumption of materials in the final layer)

SAVEMA FLOOR

2.5- 5 kg/m² consumption of materials in the final layer)



NOT DETERMINED BY LAYER THICKNESS

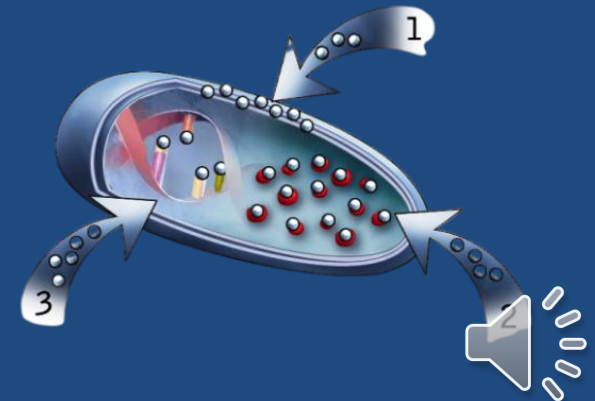
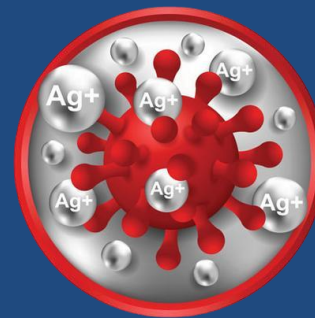
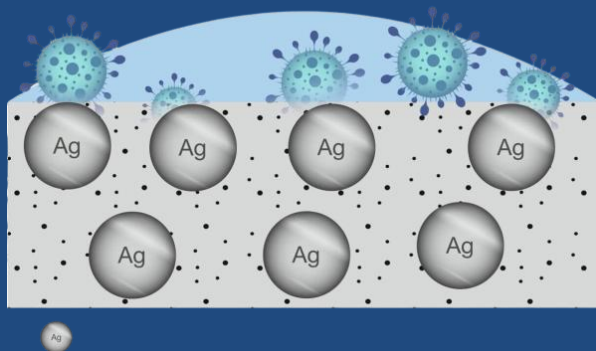


Advantages

III. ANTIMICROBIAL ACTIVITY

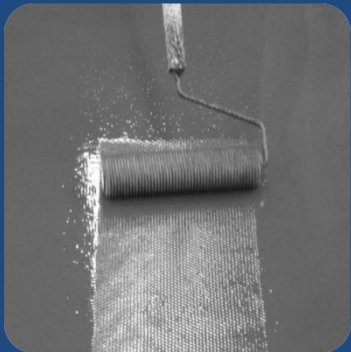
How the anti-bacterial epoxy coating system works?

- The silver ions are incorporated in the epoxy system
- The silver ions contact with the bacteria
- The silver ions damage their cells
- The bacteria die



Advantages

- Simplifies installation
- Reduced network of copper tape
- 50% lower share of conductive components - lower final price
- Application on vertical surfaces
- Wide ranges of electrical resistivity



Market potential



**THANK YOU
FOR YOUR
ATTENTION**

