Hoffmann + Krippner

Datasheet

Membrane switches with antimicrobial properties

- Hard-coated polyester film with integrated antimicrobial protection
- Inhibits the growth of harmful bacteria, mould and mildew fungi
- Consistent protection against bacterial contamination

Lifelong protection

In hygienically demanding environments, all surfaces and objects with which staff come into contact must be sterile. The antimicrobial film has been specially developed for these hygienically critical applications and provides consistent protection against bacterial contamination on membrane keyboards.

The antimicrobial protection is incorporated into the textured hard coating during the manufacturing process of the polyester film. This process ensures an even distribution of the antimicrobial agent over the entire surface and this throughout the life of the product.

How it works

When micro-organisms come into contact with the film surface, the cell walls are penetrated by the protective active ingredients of the antimicrobial film. Cell functions are interrupted and cell growth and reproduction are prevented.

The use of a polyester film with an antimicrobial agent does not eliminate the need for the usual cleanliness and hygiene requirements, but it does provide consistent protection against bacterial contamination.

For more information, please also visit the McDermid Autotype website.

Hoffmann + Krippner

Membrane switches with antimicrobial properties

The antimicrobial efficacy was tested with the following bacteria:

Staphyloccus aureus (MRSA)	**Test result:** Passed The shelf life of the and was antimicrobial effect is at least 15 years confirmed by tests according to AATCC test method 100.
Escherichia coli 0157	
Listeria monocytogenes	
Pseudomonas aeruginosa	
Salmonella enteritidis	
Bacillus cereus	
Streptococcus faecalis	
Klebsiella pneumoniae	
Aspergillus niger	
Penicillium purpurogenum	
Phoma violacea	
Saccharmyces cerevisiae	

Chemical properties

Test: Chemical resistance Resistant to:

Alcohol	Test method: DIN 42115
Diluted acids	Test method: DIN 42115
Diluted lyes	Test method: DIN 42115
Ester	Test method: DIN 42115
Hydrocarbons	Test method: DIN 42115
Ketones	Test method: DIN 42115
Household cleaners	Test method: DIN 42115

All technical data are not guaranteed properties, but may deviate depending on the customer-specific design.