

DATA SHEET

Membrane keyboards with antimicrobial features

Features

In hygienically demanding surroundings, all surfaces and objects with which personnel come into contact must be sterile. An antimicrobial foil membrane on membrane keyboards ensures consistent protection against bacterial contamination. Bacteria can be transferred via contact onto other surfaces and people. In medical and dental technology as well as in the food industry, it is very important that bacteria are prevented from multiplying. A new, hard-coated polyester foil membrane with integrated, antimicrobial protection inhibits the growth of harmful bacteria, mould and mildew fungi.

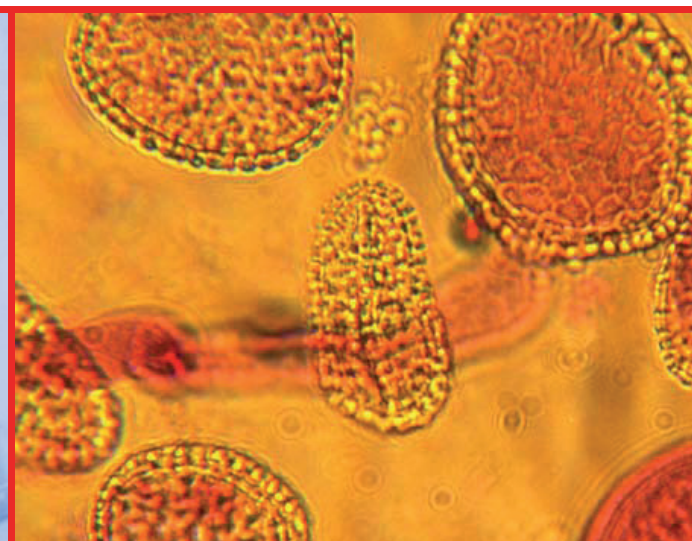
Life-long protection

The foil membrane was specially developed for these hygiene-critical applications. The new foil membrane material combines the tried and tested advantages of a hard, robust surface and the antimicrobial characteristics. These are of especial interest for keyboards. The antimicrobial protection is integrated into the structured hard coating during the manufacturing process and guarantees an even distribution of the active antimicrobial agent across the complete surface for the total lifetime of the product.

Effective prevention of reproduction

The effect of the antimicrobial protection develops by penetrating the cell walls as soon as they come into contact with the foil membrane surface. The cell functions are interrupted and growth and reproduction are prevented. The use of polyester foil membrane with an active antimicrobial agent does not make the usual cleanliness and hygiene requirements superfluous, but it does offer consistent protection against bacterial contamination.

Further information available at: www.macdermidautotype.com



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Antimicrobial features

Test method: AATCC Test method 100

The antimicrobial effectivity has been tested on the following bacteria:

- Staphylococcus aureus (MRSA)
- Escherichia coli 0157
- Listeria monocytogenes
- Pseudomonas aeruginosa
- Salmonella enteritidis
- Bacillus cereus
- Streptococcus faecalis
- Klebsiella pneumoniae
- Aspergillus niger
- Penicillium purpurogenum
- Phoma violacea
- Saccharmyces cerevisiae

Test result: pass

The antimicrobial effect has a service life of at least 15 years and has been confirmed via tests acc. AATCC test method 100.

Chemical features

Test method: DIN 42115

Test: Chemical resistance

Resistant against:

- Alcohol
- Diluted acids
- Diluted alkalis
- Ester
- Hydrocarbons
- Ketones
- Household cleaning agents