Autotex AM

With Microban®

The world's premier quality hard coated polyester film now with built-in antimicrobial protection

MacDermid AUTOTYPE

The world's premier quality hard coated poly

When Hygiene Matters

There is growing evidence from a number of studies that everyday objects and surfaces can support and spread harmful bacteria. Research has demonstrated that hand contact with contaminated objects or surfaces can rapidly transfer bacteria to other surfaces as well as to individuals, which can potentially lead to infection.

Preventing the growth and spread of bacteria from surfaces is a key objective for many hygiene critical areas such as hospitals. Antimicrobial surfaces do not eliminate the need for cleaning, but they can provide users with a dependable and constant built-in protection against bacteria contamination.

A Unique Hard Coated Antimicrobial Film

with Microban®* Antimicrobial Technology

Autotex is a range of flexible high quality, hard coated polyester films offering a tough, durable, scratch resistant surface with an ink primer on the reverse side receptive to a wide range of graphic inks. Autotex AM is the latest addition to this range, offering Microban® Antimicrobial Protection within the textured hard coat.

Autotex AM is an ideal substrate for any surface application such as control panels, doors, worktops and equipment where antimicrobial properties and durability are required.

In addition to its inherent antimicrobial properties, Autotex AM is scratch and chemical resistant, withstanding not only

day-to-day use, but also the most aggressive cleaning methods.

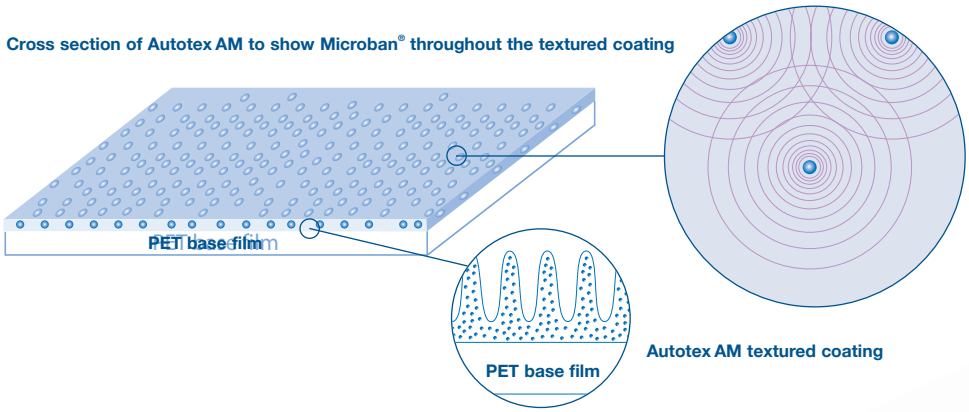
Microban® technology inhibits the growth of microbes on contact, working continuously to maintain a consistently lower bio-burden than would be expected on a product without Microban® protection

Microban® antimicrobial product protection

Hygiene Critical Applications

- **Membrane switches**
- **Fascia panels**
- **Finger plates on doors**
- **Worktops**
- **Wall coverings**
- **Shelving covers**
- **Other touch surface applications**

ester film



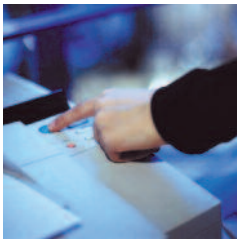
Complete Protection

Autotex AM uses the proven Microban® Antimicrobial Technology developed to improve hygiene and reduce the risk of spreading infection. Microban® protection is a trusted technology that inhibits the growth of potentially harmful bacteria, mould and mildew.

The Microban® technology is incorporated into the Autotex textured hard coat during its manufacturing process.
This process ensures even distribution of the antimicrobial agent throughout the texture and the film surface, offering protection during the normal life of the application manufactured with Autotex AM.

Where Cleanliness Matters

- **Hospitals & Medical centres**
- **Convalescence homes**
- **Restaurants**
- **Cruise liners**
- **Supermarkets**
- **Prisons**
- **Schools**
- **Communal buildings**
- **Veterinary practices**
- **Vending applications**



Total confidence

The Microban® Antimicrobial Technology Certification Programme
Autotex AM is covered by the Microban® Certification Programme. The antimicrobial testing performed as part of the certification programme is conducted by a leading independent inspection laboratory at their extensive facilities in the UK. The programme ensures that Autotex AM is manufactured in accordance with the most stringent quality
standards, with rigorous and regular batch checks to monitor its antimicrobial properties.

The independent laboratory test is based on a modified version of the internationally accepted AATCC Test Method 100 and JIS 2801test protocol, to prove the antimicrobial efficacy of the Microban® treated film.

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AUTOTYPE

Antimicrobial Properties

Sample Description		Test Result	Test Method AATCC Test Method 100[1]
Autotex AM Unprocessed samples	Antimicrobial effectiveness tested with: • Staphylococcus aureus (MRSA) • Escherichia coli 0157 • Pseudomonas aeruginosa • Salmonella enteritidis • Bacillus cereus • Streptococcus faecalis • Klebsiella pneumoniae • Aspergillus niger • Penicillium purpurogenum • Phoma violacea • Saccharmyces cerevisiae • Listeria monocytogenes	Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass Biocidal Pass	Unprocessed Samples: Film samples were tested straight from the pack
Simulated printed sample	• Staphylococcus aureus (MRSA) • Escherichia coli 0157	Biocidal Pass Biocidal Pass	Film samples were subjected to the following tests to simulate graphics printing: 10 Jet dryer passes (80C x 2 mins) 10 Fusion UV passes (500MJ/pass) 5 passes under IR lamps 1 Fusion IV pass (500MJ/pass)-(hardcoat surface)
Simulated wear test	• Staphylococcus aureus (MRSA) • Escherichia coli 0157	Biocidal Pass Biocidal Pass	Film samples were vigorously sandpapered until the texture peaks were removed. The film surface was then polished with wire wool until smooth. This was carried out to simulate extreme surface wear.
Simulated embossed sample	• Staphylococcus aureus (MRSA) • Escherichia coli 0157	Biocidal Pass Biocidal Pass	Film samples were stretched by 20% in both MD/TD direction. This simulates the process of embossing. (An embossed sample cannot be AM tested as a flat surface is required)
15 Year Life time test	• Staphylococcus aureus (MRSA) • Escherichia coli 0157 • Aspergillus niger	Biocidal Pass Biocidal Pass Biocidal Pass	Film samples are tested by an independent lab using standard test protocols that simulate real life cleaning regimes representing a period of 15 years. Test Method and certificate available on request.
Ethanol, IPA, MEK, Phenol Based Disinfectant, Quarternary Ammonium Based Disinfectant, Bleach	• Staphylococcus aureus (MRSA) • Escherichia coli 0157	Biocidal Pass Biocidal Pass	Film samples were soaked for 24 hours before being subjected to antimicrobial testing.

[1] Test Method available on request.
* The bacteria chosen for each of the tests was recommended by the independant laboratory

MICROBAN is a registered trademark of Microban Products Company.
Microban® protection is not a substitute for good hygiene practices.

It takes more than innovation, high performance products and superior technical service to help our customers compete and win in today's global market place. It takes a total commitment to understand their needs and the ability to provide the right solutions – everytime.

MacDermid AUTOTYPE

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Not for distribution in the USA

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