

Protac™

Antimicrobial Protection Film

Protac™ Antimicrobial Protection Film is a 150µ (6 mil) textured polyester laminating film with durable antimicrobial protection. When bacteria and fungus come in contact with the surface of the film the antimicrobial additives in the hard coating disrupt the microbial cell wall inhibiting growth, resulting in a film surface that provides constant protection against the spread of microbial contamination.

Protac™ Antimicrobial Protection Film offers reliable protection from mould growth and bacterial contamination, including MRSA, Streptococcus, E.coli, Salmonella and more. Protac™ Antimicrobial Protection Film is ideal for use in environments where hygiene is of particular importance, such as schools, nurseries, restaurants/cafeterias and hospitals. The film's textured finish gives it good resistance to abrasions, while its clarity ensures that no colours are diminished.



**Drytac
Protective
Film**



**Drytac
Easy Green
Solution**

Product Code: PAB

**150
micron**

Textured PET with
Antimicrobial
Hard Coating



Matte



**Solvent
Acrylic
Adhesive**



Widths up to 1200mm



INTERIOR



ANTIMICROBIAL
PROTECTION

PROTECT YOUR SURFACES



No unauthorised personnel
Please use hand sanitiser before entering



APPLICATIONS

IDEAL FOR PREVENTING
THE GROWTH AND
SPREAD OF BACTERIA
FROM TOUCH SURFACES,
COUNTERS, CONTROL
PANELS, DOOR PLATES,
SWITCHES AND
EQUIPMENT.



DRYTAC®
ADHESIVE SCIENCE

www.drytac.com

Protac™

Antimicrobial Protection Film

Protac™ Antimicrobial Protection Film is a 6 mil (150µ) textured hard coat PET film with a durable anti-bacterial additive that offers reliable protection against mold and mildew growth and bacterial contamination. The reverse side of the film is coated with a pressure sensitive, solvent acrylic adhesive that is protected by a 100gsm 2 sided PE coated kraft release liner. The film provides scratch and chemical resistance to withstand daily cleaning methods.

- IDEAL FOR USE IN AREAS WHERE HYGIENE IS OF PARTICULAR IMPORTANCE, SUCH AS HOSPITAL AND HEALTHCARE ENVIRONMENTS, SCHOOLS, NURSERIES, RETAIL ENVIRONMENTS, COMMUNAL BUILDINGS, RESTAURANTS, CAFETERIAS AND VENDING APPLICATIONS
- PROTAC™ ANTIMICROBIAL PROTECTION FILM IS AN EXCELLENT CHOICE BECAUSE ITS TEXTURED FINISH PROVIDES GOOD RESISTANCE TO ABRASIONS AND ITS HIGH CLARITY ENSURES NO COLOURS ARE DIMINISHED.
- RESISTANT TO CHEMICALS AND A NUMBER OF HOUSEHOLD CLEANERS, ENDURING DAILY CLEANING ROUTINES ALONG WITH MORE VIGOROUS METHODS WITHOUT ANY LOSS OF ANTIMICROBIAL PERFORMANCE.
- PVC-FREE, PLASTICISER-FREE AND HALOGEN-FREE

For more information, performance and warranty guidelines please contact your local Drytac office.

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TECHNICAL SPECIFICATION

PRODUCT STRUCTURE

Film	Textured PET with Antimicrobial Hard Coating
Adhesive	Solvent Acrylic (Pressure Sensitive)
Release Liner	100gsm 2 Sided PE Coated; 1 side Siliconised Kraft

PRODUCT CHARACTERISTICS

Film Thickness	6.0 mil (150µ) 7.0 mil
Adhesive Layer	1.0 mil (25µ) (175µ)
UV Protection Factor	Film and adhesive contain UV stabilisers, which prevent film degradation and provides UV protection to the underlying image or surface.
Chemical Resistance	Excellent resistance to many common industrial solvents and household chemicals
Antimicrobial Properties	15 Year Antimicrobial Protection; tested against JIS Z2801; please see Protac Antimicrobial Properties document for more info.
Application Temperature	>41°F (5°C)
Service Temperature Range	5°F to 248°F (-15°C to 120°C)
Shelf Life	2 Years
Storage Conditions	59°F to 72°F (15°C to 22°C); 50 - 55% Relative Humidity

DRYTAC®

ADHESIVE SCIENCE

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PRODUCT NAME: Protac™ Antimicrobial

Description	Microbial Test	Microbe Class	Test Result*	Test Method <small>Harmonised JIS Z2801/AATCC 100</small>
Protac™ Antimicrobial Protection Film	MRSA Streptococcus Faecalis Pseudomonas Aeruginosa Klebsiella Pneumonia Listeria Monocytogenes E.coli 0157 Salmonella Enteritidis Bacillus Cereus Aspergillus Niger Penicillium Purpurogenum Saccharmyces Cerevisiae Phoma Violacea	Bacteria Medical Bacteria Medical Bacteria Medical Bacteria Medical Bacteria Food Bacteria Food Bacteria Food Bacteria Food Fungi (Black Mold) Fungi (Black Mold) Fungi Yeast Fungi	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 Film Sample
Simulated Wear Test	MRSA E.coli 0157	Bacteria Medical Bacteria Food	Biocidal Pass Biocidal Pass	Samples were sandpapered until texture was removed. Then polished with wire wool to give a smooth finish. This was carried out to simulate extreme surface wear.
Simulated Embossed Sample	MRSA E.coli 0157	Bacteria Medical Bacteria Food	Biocidal Pass Biocidal Pass	Samples were stretched 20% in both MD/CD direction to simulate process of embossing (an embossed sample cannot undergo anti-microbial testing).
15 Year Lifetime Test	MRSA E.coli 0157 Aspergillus niger	Bacteria Medical Bacteria Food Fungi (Black Mold)	Biocidal Pass Biocidal Pass Biocidal Pass	Samples were tested by an independent lab using standard test protocols that simulate real life cleaning procedures over a period of 15 years.
Ethanol, IPA, MEK, Phenol Based Disinfectant, Quaternary Ammonium Based Disinfectant, Bleach	MRSA E.coli 0157	Bacteria Medical Bacteria Food	Biocidal Pass Biocidal Pass	Samples were soaked for 24 hours to simulate extreme cleaning regimes before undergoing testing.

*Antimicrobial pass is considered to be a 97% kill rate.

For more information, performance and warranty guide lines please contact your local Drytac office.

These test results are not transferable and may not be relevant or applicable to real life applications. Therefore, Drytac[®] strongly recommends and other regulatory entities may require additional testing to determine the suitability for any specific end application. Refer to Drytac[®] Terms and Conditions of Sale at www.drytac.com for additional liability limitations. This certificate is the property of Drytac[®] Corporation. This certificate and all copies should be returned to Drytac[®] upon request.

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