



DATA SHEET ANTIMICROBIAL FILM WITH PERMANENT ADHESIVE

AMR060

Film made of a transparent polymeric cast PVC of 60µm containing antimicrobial agents, coated with a reinforced acrylic pressure sensitive adhesive for adhesion on low energy surfaces. Intended for antimicrobial protection of surfaces in locations that demand a high degree of hygiene (hospitals, agricultural and food industries, wet rooms, public places, ...).

Anti-microbial activity on (according to ISO 22196 or growth inhibition test on agar):

- *Escherichia coli*
- *Staphylococcus aureus* (golden staph)
- *Staphylococcus aureus* resistant to methicillin (MRSA)
- *Staphylococcus epidermis*
- *Klebsiella pneumonia*.

CHARACTERISTICS OF THE FILM:

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	60	
• Tensile strength (N/25mm):	min. 15	HEXNFX41031
• Elongation at break (%):	min. 100	HEXNFX41031
• Dimensional stability (mm): after 168 hours at 70°C	< 0.6	HEXRET001

LINER:

- Silicone PE paper, with HEXIS imprint
- Stable under hygrometric variations

ADHESIVES PROPERTIES:

(Average values measured at the time of the issue of this data sheet)

On glass

- | | | |
|--------------------------------|----|-----------|
| • 180° peel on glass (N/25mm): | | HEXFTM001 |
| 20 minutes after application | 17 | |
| 24 hours after application | 17 | |
| • Initial tack (N/25mm): | 24 | HEXFTM009 |

On polypropylene

- | | | |
|--------------------------------|----|-----------|
| • 180° peel on glass (N/25mm): | | HEXFTM001 |
| 20 minutes after application | 9 | |
| 24 hours after application | 10 | |
| • Initial tack (N/25mm): | 11 | HEXFTM009 |

Resistance to solvents: the adhesive is resistant to most chemical agents (alcohol, diluted acids, oils).

RECOMMENDATIONS FOR USE:

- For application on regular or irregular surfaces.
- Recommended minimum application temperature : +10°C (50°F)
- Usage temperature range : -40°C to +90°C (-40°F to +194°F)
- Solvent based acrylic adhesive.
- Immediate et permanent adhesion after 24 hours of contact
- Special adhesive for low energy surfaces (polypropylene, polyethylene).
- Protects against UV-rays.
- May be used as a cold laminate on cast HEXIS digital printing vinyls. In this case before laminating, converting or other transformation the optimum drying time is 24 hours.
- In the case of painted substrates self-adhesive media must only be applied onto the undamaged original paintwork. If the paint is not the original paintwork and/or if it is damaged, the application and the removal are at the installer's risk.
- Under normal usage conditions without danger when in contact with human skin (skin compatibility study carried out under dermatological control).
 - ✓ No allergenic potential.
 - ✓ No irritant potential.
- Anti-microbial activity maintained after 365 washes with water or alcohol.
- The film may be cleaned/disinfected effectively with products currently used in healthcare environments (results obtained by the *Laboratoire d'Hygiène Hospitalière* of the Institut Pasteur in Lille). The disinfection levels achieved are compatible with use in the most sensitive areas as far as infectious risks are concerned (surgical wards, immunocompromised wards, neonatology ...).
- Do not use abrasive sponges.
- The film is not intended for direct contact with food. Do not install in places likely to be in contact with unwrapped food.
- Active substance: Triclosan at <0.3m/m of the total product

STORAGE:

- Shelf life (before application):

1 year if stored at a temperature between +15°C and +25°C (+59°F to +77°F) and 50% relative humidity in the original packing, rolls standing vertically in a dustfree environment.

DURABILITY:

- Vertical indoor exposure: up to 5 years (*in areas not subject to frequent handling or usage*).
- A film applied in areas of frequent Handling (e.g. handles) or frequent usage will be subject to repeated abrasion which will reduce its durability (change of appearance, peel...). The durability of the film depends on the intensity and the frequency of the exposure to mechanical stress it is exposed to.

NOTE:

Because of the great variety of substrates and possible application methods the installer must examine the suitability of the media for each application.

The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force.

All published data are based on measurements carried out regularly under laboratory conditions. They do, however, not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The seller assumes no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: www.hexisgroup.com.