



DATA SHEET – ANTIMICROBIAL FILM – PURE ZONE® RANGE / PERMANENT ADHESIVE

**PURZON060B**

Film consisting of a 60- $\mu$ m, transparent, polymeric cast PVC containing antimicrobial agents and which is coated with a pressure-sensitive acrylic adhesive. Intended for antimicrobial protection of surfaces in areas that require a high level of hygiene (hospitals, agribusinesses and food industries, wet rooms, public places, etc.).

Active strains (according to ISO 22196):

Reducing > 99.99 % of:

- *Escherichia coli*
- *Salmonella (Salmonella enterica)*
- *Listeria (Listeria monocytogenes)*
- Golden staph (*Staphylococcus aureus*)
- Methicillin-resistant *Staphylococcus aureus* (MRSA)

**FILM FEATURES:**

	<u>Average values</u>	<u>Standard</u>
• Thickness ( $\mu$ m):	60	
• Tensile strength (N/25 mm):	min. 15	HEXNFX41031
• Elongation at break (%):	min. 100	HEXNFX41031
• Shrinkage (mm) after 168 hours at 70 °C:	< 0.4	HEXRET001

**LINER:**

- Silicone-coated PE paper, with HEXIS print
- Stable under hygrometric variations

**ADHESIVE FEATURES:**

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• Peel strength, on glass at 180° (N/25 mm):		HEXFMTM001
after 20 minutes of application on glass	15	
after 24 hours of application on glass	16	
• Initial tack (N/25 mm):	18	HEXFMTM009
• Release (N/25 mm):	0.3	HEXFMTM003
• Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, diluted acids, oils).		

**ADHESIVE:**

- Solvent-based acrylic adhesive
- Immediate and permanent adhesion

**USER'S INSTRUCTIONS:**

- Under normal usage conditions, harmless when in contact with human skin (skin compatibility study carried out under dermatological control).
  - ✓ No allergenic potential
  - ✓ No irritant potential
- Active compound: silver ions, < 0,3 % w/w of the entire product
- Antimicrobial activity maintained after 365 cleanings with water, alcohol, chlorine bleach and Aniosurf® (*respect the dilution recommended by the manufacturer*).
- The film can be cleaned/disinfected by all conventional cleaning methods, using non-abrasive accessories, cleaning products, detergents or products currently used in healthcare environments.

*The disinfection levels achieved are compatible with use in the most sensitive areas in terms of infectious risks (surgery wards, immunocompromised wards, neonatology ...).*

- Apply the film only in areas that will not be in direct contact with unpackaged food.
- Suitable for application on regular or irregular surfaces.
- Minimum application temperature recommended: +10 °C (+50 °F)
- Operating temperature range: from -40 °C to +90 °C (from -40 °F to +194 °F)
- Can be used as cold laminate on cast HEXIS digital printing vinyl films. In this case, the optimum drying time of the inks is 24 hours minimum before any laminating, coating and further processing.
- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 1 year if it is stored at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F), with relative humidity of 50 %, in its original packaging in an upright position, in a dust-free environment.

**DURABILITY:**

- Vertical indoor exposure: up to 5 years (in areas not subject to frequent handling or high visitor frequency).

*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, peeling off ...). The film durability depends on the intensity and frequency of the mechanical stress to which it is exposed.*

**NOTES:**

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application.

The measuring methods for the standards quoted above served as basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use.

All information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at [www.hexis-graphics.com](http://www.hexis-graphics.com).