



TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE  
**PG836**

Film composed of a 36- $\mu\text{m}$  very transparent polyester, which is coated with a pressure-sensitive acrylic adhesive. For cold laminating microperforated films on 2D flat surfaces. Can also serve as anti-graffiti protection. Glossy surface finish.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu\text{m}$ ):	36	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	> 100	HEXNFX4102I
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET00I

### **LINER:**

- Transparent silicone-coated PET liner 36  $\mu\text{m}$ .
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

	<u>Average value</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM00I
after 20 minutes of application	15	
after 24 hours of application	17	
• Initial tack (N/25 mm):	20	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

### **ADHESIVE:**

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion.

**USER'S INSTRUCTIONS:**

- Protection of solvent and aqueous inkjet printed microperforated films.
- When using the PG836, check that the surface is dry. The drying time of a microperforated film (MICRO1, Micro2 etc.) is 24 hours minimum.
- During the lamination, make sure that the tensions of each microperforated film and lamination are the same.
- Dry application only.
- For an outdoor application, an extra margin of 2 cm (0.79 in.) is preferable.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Range of film operating temperatures: from -40 °C to +90 °C (-40 °F to +194 °F).
- The film can be cleaned with a non-abrasive sponge or a soft cloth and acetone, alcohol, soapy water or HEX'AG.
- Only use non-felted squeegees during application.
- In the case of an already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 2 years when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C and +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

**DURABILITY:** (Central European climate)

- Vertical exposure on flat surfaces:

Graffiti-free, not cleaned using solvents:

Outdoors: 3 years.

Indoors: 8 years.

Cleaned film: dependent on the method and frequency of the cleaning.

**NOTES:**

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application.

The measuring methods for the standards quoted above served as the 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 the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).