



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE HX203EG

Film composed of a 80- $\mu$ m, calendered, polymeric PVC, which is coated with a pressure-sensitive, acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. Etched glass surface finish.

### **FILM FEATURES:**

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	80	
• Total thickness of the product ( $\mu$ m):	275	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $\text{g}/\text{m}^2$ ):	280	HEXGSM001
• Tensile Strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

### **GENERAL PRINTER COMPATIBILITES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>HX203EG</b>	✓	✓	✓	✓

### **LINER:**

- Silicone-coated and embossed PE paper 145  $\text{g}/\text{m}^2$ , with light grey HEXIS print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

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

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	20	
after 24 hours of application	24	
• Initial tack (N/25 mm):	20	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

**ADHESIVE:**

- Solvent-based acrylic adhesive.
- Structured adhesive for faster application and air evacuation.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

**USER'S INSTRUCTIONS:**

- Touch-dry after less than 15 minutes depending on printer used.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Dry application.

*It is mandatory to use the so-called "dry" application method due to its HEX'PRESS liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

- Hygrometry influences the quality of the application.

*On a cold window condensation may occur between the window and the adhesive film; it is therefore advisable to heat the substrate.*

- Operating temperature range (outdoors): between -40 °C and +90 °C (-40 °F and +194 °F).
- Adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- 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.

**OPERATING RECOMMENDATIONS:**

- For any lamination, coating or other, optimal drying time for the inks is 24 hours.
- The surface finish of your printings may be modified/improved/protected by laminating them with the appropriate laminate: V750 or PC500. For UV printings, use the protective VCR750 laminate.

**Caution:** *Applying a laminate can strongly reduce the etched glass surface finish of the HX203EG film.*

- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.

**STORAGE:**

- Shelf life (before application):

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

**DURABILITY:** (Central European climate)

- Vertical outdoor exposure:  
Unprinted: 5 years.  
Printed and laminated:
  - PC500: 5 years;
  - V750: 4 years;
  - VCR750: 3 years.Printed: 2 years.

*To find the indicative durabilities of the films for any other exposure and geographical area, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability, on the "Professionals" pages on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).*

**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).