



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE HX300IWG2 – HX300IWM2

Film composed of 100- $\mu$ m, calendered, monomeric PVC and coated with a pressure-sensitive acrylic adhesive. Structured adhesive for faster application and air evacuation. Usable for solvent, eco-solvent, latex and UV inkjet printing. Glossy (HX300IWG2) or matt (HX300IWM2) surface finish.

### **FILM FEATURES:**

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	100	
• Total thickness of the product ( $\mu$ m):	270	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $g/m^2$ ):	305	HEXGSM001
• Tensile Strength (N/25 mm):	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.8	HEXRET001

### **GENERAL PRINTER COMPATIBILITES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>HX300IWG2</b> <b>HX300IWM2</b>	✓	✓	✓	✓

### **LINER:**

- Silicone-coated and embossed PE paper 145  $g/m^2$ , with light blue 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	17	
after 24 hours of application	19	
• 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 adhesion; optimal after 24 hours of contact.
- Structured adhesive for dry application "only" and faster air evacuation.

**USER'S INSTRUCTIONS:**

- Touch-dry after less than 10 minutes depending on printer used.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- It is mandatory to use the nominal "dry" application method with the HX300IWG2 and HX300IWM2 films, due to their HEX'PRESS liner.

*This technology allows easy repositioning of the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

- Adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- In the case of painted substrates, 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:**

- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.
- The surface finish of the printings may be modified/improved/protected by applying the appropriate laminate: V700 or V650. For UV printings, use the protective VCR650 laminate.
- Firmly press the squeegee over all the edges.
- For any application, a sealing varnish may be applied.

**STORAGE:**

- Shelf life (before use):

The shelf life of this film is one year when stored in its unopened original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

**DURABILITY:** (Central European climate)

- Vertical outdoor exposure on flat surfaces:  
Unprinted: 4 years.  
Printed and laminated: 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 the 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 of the published information is based on measurements regularly performed in the laboratory. The published information 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).