



DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE HX100NTWG2

Cadmium-free cast polymeric 50 micron PVC film, coated with a grey pressure sensitive acrylic adhesive. Micro-structured adhesive for faster installation and elimination of air bubbles. Convenient installation at low temperatures (10-15°C/50-59°F). Suitable for solvent, eco-solvent, UV and Latex inkjet printers. Gloss surface finish.

CHARACTERISTICS OF THE FILM:

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	50	
• Total caliper (µm):	235	
• Total specific weight (g/m ²):	240	HEXGSM001
• Tensile strength (N/ 25mm):	min 20	HEXNFX41021
• Elongation at break (%):	min 100	HEXNFX41021
• Dimensional stability (mm) after 168h at 70°C:	< 0.3	HEXRET001

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-Solvent	Latex	UV
HX100NTWG2	✓	✓	✓	✓

LINER:

- Embossed PE-coated siliconed paper 145g/m² with light grey “THE CAST by HEXIS” imprint.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Average values measured at the time of editing the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
ON GLASS		
• Peel on glass at 180° (N/25mm):		HEXFTM001
20 minutes after application	17	
24 hours after application	18	
• Initial tack (N/25mm):	18	HEXFTM009
• Release (N/25mm):	0.25	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemical agents (alcohol, diluted acids, oils).		

ADHESIVE:

- Grey solvent-based acrylic adhesive.
- Structured adhesive for faster application and elimination of air bubbles.
- Immediate and permanent adhesion, optimum after 24 hours of contact.

USAGE GUIDE:

- Touch dry after less than 10 minutes depending on printer used
- Recommended minimum application temperature +10°C (+50°F).
- Exposure temperature range (outdoor): -40°C to +90°C (-40°F to +194°F).
- Dry application.

The HX100NTWG2 must only be dry applied because of its special HEX'PRESS liner. The structured adhesive makes the film repositionable during transfer, however the film still needs to be firmly applied to achieve optimum adhesion of the film on the substrate.

- Highly conformable, recommended for vehicles.
- Adhesion on glass, steel, aluminium, PVC, melamine ... except grained surfaces or acrylic paints.
- 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.

RECOMMENDATIONS FOR USE:

- Optimum drying time of the inks before laminating or further processing is 48 hours minimum.
- The surface aspect of prints can be advantageously modified/improved/protected by a judicious choice of laminate of the type PC50G2 (gloss finish), PC30G2 (gloss finish), PC30M2 (super matt finish) or PC30M3 (matt finish).
- For further information on application methods of HX100NTWG2, refer to the technical bulletin under the category Wraps on the professionals pages of our web site www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):
1 year if stored unopened in the original packing at temperature between +15°C and +25°C (+59°F to +77°F) and 30 to 70% relative humidity.

DURABILITY: (central Europe)

- Vertical outdoor exposure:
Unprinted: 10 years.
Printed and laminated: 5 years.
Printed: 2 years.

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.hexis-graphics.com.