



TECHNICAL DATA SHEET - DIGITAL PRINTING - PERMANENT ADHESIVE HX500WG2

50- μ m, PVC-free film, which is coated with a grey, pressure-sensitive acrylic adhesive. Micro-structured adhesive for faster application and air evacuation. For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
	<u>Average values</u>	<u>Standard</u>
• Thickness (μ m):	50	
• Tensile strength (N/25 mm):	min. 50	HEXNFX41021
• Elongation at break (%):	min. 200	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex	UV
HX500WG2	✓	✓	✓	✓

LINER:

- Embossed, silicone-coated PE paper 145 g/m² with light grey "THE CAST by 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:	11	
after 24 hours of application:	12	
• Initial tack (N/25 mm):	14	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003

ADHESIVE:

- Grey, 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 10 minutes depending on printer used.
- Recommended minimum application temperature: +10 °C (+50 °F). Apply preferably between +15 °C and +35 °C (+59 °F to +95 °F).
- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- Dry application method

It is mandatory to use the so-called "dry" application method with the HX500WG2 film, 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.

- Conformable product.
- 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:

- Optimal drying time for the inks before laminating or further processing is 48 hours minimum.
- The surface finish of your printings may be modified/improved/protected by one of the PC500 laminates.

STORAGE:

- Shelf life (before use):

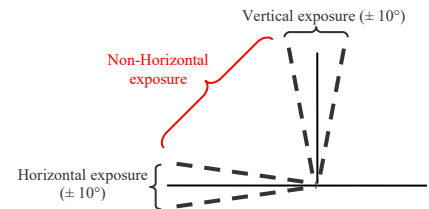
The shelf life of this film is 1 year when stored in its unopened original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure:
Unprinted: 10 years.
Printed and laminated with PC500G2 or PC500M: 5 years.
Printed: 2 years.

Time during which the film retains a correct surface finish, from a conventional viewing distance. (A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials).

Note: The durability stated in this document is inherent in an upright position of $\pm 10^\circ$ and in the product's geographical exposure position. Any other position accentuates climatic influences and an alteration in gloss or colour, or even a slight dusting may appear. Southern exposure, with a 45° inclination may divide the durability of the film by 2, and horizontal exposure by 2.8. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.



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.

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 and accelerated UV ageing tests and/or vertical natural outdoor exposure. 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.