TECHNICAL DATA SHET - DIGITAL PRINTING - PERMANENT ADHESIVE

HX500WG2

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

FILM FEATURES:

	Indicative value	
• Thickness (µm):	50	
	Average values	Standard
• 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)

	Average values	Standard
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application:	12	
after 24 hours of application:	13	
• Initial tack (N/25 mm):	14	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Touch-dry after less than 10 minutes depending on the 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.

It is mandatory to apply the so-called "dry" application method with the film HX500WG2, 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 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 coating and other, optimal drying time for the inks is 48 hours minimum.
- The surface finish of your printing may be modified/improved/protected by one of the PC500 laminates.

STORAGE:

- Shelf life (before use):

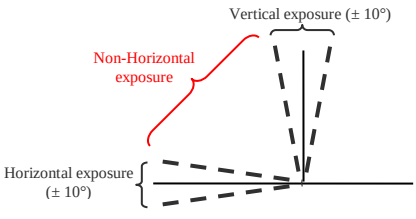
  The shelf life of this film is 1 year when stored unopened in its original packaging at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure:
  Unprinted: 10 years.
  Printed and laminated with PC500G2: 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 natural and is an inevitable and natural phenomenon inherent in the natural breakdown of the materials).

Note: The durability stated in this document is inherent in an upright position of± 10° and in the product's geographical exposure position. All other positions accentuate the climatic shocks and promote the appearance of an alteration of the gloss or even a slight dusting. Southern exposure, with a 45° inclination can 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 heating provided by the engine.



NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as 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 and accelerated UV ageing tests and/or natural vertical outdoor exposure. 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.