TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE

HX3000WG2

Film composed of a 100-µm calendered, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Structured adhesive for faster application and air egress. For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

FILM FEATURES:

	Indicative values	
• Thickness (µm):	100	
• Total thickness of the product (µm):	285	
	Average values	**Standard**
• Total weight of the product (g/m²):	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:

	Solvent	Eco-solvent	Latex	UV
HX3000WG2	✓	✓	✓	✓

LINER:

- Silicone-coated and embossed PE paper 145 g/m², with light blue 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	19	
after 24 hours of application	21	
• Initial tack (N/25 mm):	19	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 grey acrylic adhesive.
- Structured adhesive for dry application "only" and faster air egress.
- Immediate 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).
- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- It is mandatory to apply the so-called "dry" application method with the HX3000WG2 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 HX3000WG2 film to the substrate.

- Firmly press the squeegee over all the edges.
- 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 24 hours minimum.
- The surface finish of your printing may be modified/improved/protected by a judicious choice of laminating films V700 or V650. For UV printing, protect with the laminating film VCR650.
- For any application, a sealing varnish may be applied.

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 on flat surfaces:
  Unprinted: 4 years.

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. 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.