



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE HX240WG2 – HX240WM2

Film composed of a 2.76-mil (0.07-mm) calendered PVC, containing polymeric plasticizers and 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 (HX240WG2) or matt (HX240WM2) surface finish.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness:	2.76 mil 0.07 mm	
• Total thickness of the product:	9.06 mil 0.230 mm	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product	7.67 oz/yd ² 260 g/m ²	HEXGSM00I
• Tensile strength:	min. 7.74 lb./in. min. 35 N/25 mm	HEXNFX4I02I
• Elongation at break:	min. 100 %	HEXNFX4I02I
• Shrinkage 168 hours at 158 °F (70 °C):	< 0.02 inch < 0.5 mm	HEXRET00I

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex	UV
HX240WG2 – HX240WM2	✓	✓	✓	✓

LINER:

- 98# silicone-coated embossed PE paper, with light grey 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		HEXFTM001
after 20 minutes of application	3.54 lb./in. 16 N/25 mm	
after 24 hours of application	3.98 lb./in. 18 N/25 mm	
Initial tack	3.54 lb./in. 16 N/25 mm	HEXFTM009
Release	0.022 lb./in. 0.1 N/25 mm	HEXFTM003

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

ADHESIVE:

- Solvent-based, grey acrylic adhesive.
- Structured adhesive for faster application and air evacuation.
- Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

- Vinyl intended for medium-term visual communication on flat surfaces, suitable for outdoor and indoor applications.
- Touch dry after less than 10 minutes depending on printer used.
- Recommended minimum application temperature: +50 °F (+10 °C).
- Operating temperature range (outdoors): -40 °F to +194 °F (-40 °C to +90 °C).
- Dry application.

It is mandatory to use the so-called "dry" application method with the HX240WG2 and HX240WM2 films, due to their 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.

- Very good adhesion to glass, steel, aluminum, 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:

- The surface finish of your printing may be modified/improved/protected by applying the V740 laminate. For UV printing, protect with the VCR740 laminate.
- For all coatings, optimal drying time for the inks is 24 hours minimum.

STORAGE:

- Shelf life (before application):

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

DURABILITY:

- Vertical outdoor exposure on flat surface:

Unprinted: 5 years.

Printed and laminated:

- V740: 3 years,

- VCR740: up to 2.5 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 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 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.