



TECHNICAL DATA SHEET - DIGITAL PRINTING - VINYL (PERMANENT ADHESIVE) HX190WG2

Film consisting of a 50- μ m, cadmium-free, cast PVC which is coated with a grey, pressure-sensitive, acrylic adhesive. Micro-structured adhesive for faster application and easier air egress. Suitable for standard solvent, eco-solvent, latex and UV inkjet printing. Gloss surface finish.

FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
• Thickness (μ m):	50	
• Total caliper (μ m):	235	
• Total weight (g/m^2):	240	HEXGSM001
• Tensile strength (N/25 mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 70	HEXNFX41021
• Shrinkage (mm): after 168 hours at 70 °C (158 °F)	< 0.3	HEXRET001

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex	UV
HX190WG2	✓	✓	✓	✓

LINER:

- Embossed, silicone-coated PE paper of 145 g/m^2 with light grey “THE CAST by HEXIS” imprint
- Stable under hygrometric variations

ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• 180° peel strength test (N/25 mm): after 20 minutes of application on glass	15	HEXFTM001
after 24 hours of application on glass	16	
• Initial tack (N/25 mm):	19	HEXFTM009
• Release (N/25 mm):	0.25	HEXFTM003
• Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, diluted acids and oils).		

ADHESIVE:

- Grey, solvent-based, acrylic adhesive
- Structured adhesive for faster application and easier air egress

- Immediate and permanent adhesion; best after 24 hours of film application.

USER'S INSTRUCTIONS:

- Touch-dry at the latest 10 minutes following application depending on the printer used.
- Minimum application temperature recommended: +10 °C (+50 °F)
- Operating temperature range (outdoors): from -40 °C to +90 °C (from -40 °F to +194 °F)
- Dry application method

Due to its HEX'Press liner, the HX190WG2 film must solely be applied according to the so-called "dry" application method. This technology allows an easy repositioning of the vinyl on the substrate during application. However, the film must be firmly squeegeed to achieve optimum adhesion on the substrate.

- Conformable product; particularly suitable for vehicles.
- Adhesion to glass, steel, aluminium, PVC, melamine... except grained substrates or substrates covered by acrylic paints
- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

RECOMMENDATIONS:

- For any laminating and further processing, the optimum drying time of the inks is 48 hours minimum.
- The aspect of your prints can be modified/improved/protected by applying one of the PC190 laminates.
- For further information on the application method of the HX190WG2 film, please refer to the Application Guide available on the "Professionals" pages, category "Digital printing" on our website at www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):

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

DURABILITY: (Central Europe climate)

- Vertical outdoor exposure:
unprinted: 10 years
printed and laminated: 4 years
printed: 2 years

NOTES:

Because of 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 information released originates from laboratory measurements on a regular basis and UV ageing tests and/or vertical outdoor exposure. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.