DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE

HX100WG2

Cast cadmium-free 50 micron polymeric PVC film, coated with a grey pressure sensitive acrylic adhesive. Micro-structured adhesive for convenient application and elimination of air bubbles. Suitable for solvent inkjet printers. Gloss surface finish.

SPECIFICATIONS:

	Average values	Standard
• Thickness (µm):	50	
• Total caliper (µm):	235	
• Total specific weight (g/m²):	240	HEXGSM001
• Tensile strength (N/25mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Dimensional stability (mm): after 168h at 70°C	< 0.3	HEXRET001

PRINTER AND INK COMPATIBILITY:

- Solvent inkjet printers.

LINER:

- Embossed silicone PE paper 145 g/m² with grey "THE CAST *by* HEXIS" print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

• Peel on glass at 180° (N/25mm):		HEXFTM001
20 minutes after application	13	
24 hours after application	14	
• Initial tack (N/25mm):	13	HEXFTM009
• Release (N/25mm):	0.40	HEXFTM003

- The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

RECOMMENDATIONS:

- Touch dry after less than 10 minutes depending on printer used.
- The surface aspect can be advantageously improved by applying the appropriate laminate (PC30G2 gloss or PC30M2 matt finish).
- Optimum drying time before laminating or varnishing is 24 hours.
- Minimum application temperature +10°C (+50°F).
- Optimum environment -40°C to +90°C (-40°F to +194°F).
- Grey solvent based acrylic adhesive.
- Structured adhesive for convenient application and elimination of air bubbles.
- Immediate and permanent adhesion; maximum adhesion after 24 hours.
- Dry application. The HX100WG2 can only be dry applied because of its special HEX'PRESS liner. The structured adhesive makes the film repositionable during transfer, however the film still needs to be firmly applied to achieve optimum adhesion of the film on the substrate.
- Highly conformable, recommended for vehicles.
- Adhesion on glass, steel, aluminium, PVC, melamine, … except grained surfaces or acrylic paints.
- For further information on application methods of HX100WG2, refer to the technical bulletin on the professionals pages of the web site www.hexisgroup.com
- In the case of painted substrates self-adhesive media must only be applied onto the undamaged original paintwork. If the paint is not the original paintwork and/or if it is damaged, the application and the removal are at he installer's risk.

SHELF LIFE:

- 1 year at +15°C...+25°C (+59°F...+77°F) and 30 to 70% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

DURABILITY:

- Unprinted vertical outdoor exposure: 10 years.
- Printed and laminated vertical outdoor exposure: 4 years.
- Printed vertical outdoor exposure: 2 years.