HEXIS®

Film composed of a 50-µm cast PVC, which is coated with a pressure-sensitive grey acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

FILM FEATURES:

	Indicative values	
• Thickness (µm):	50	
• Total thickness of the product (µm):	230	

	Average values	Standard
• Total weight of the product (g/m²):	245	HEXGSM001
• Tensile strength (N/25 mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.3	HEXRET001
• Opacity (%):	> 98	HEXOPA001

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
V100WG2	✓	✓	✓	✓

LINER:

- 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	14	
after 24 hours of application	17	
• Initial tack (N/25 mm):	13	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003

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

ADHESIVE:

- Solvent-based, grey acrylic adhesive.
- Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

- Touch-dry after less than 10 minutes depending on printer used.
- Minimum recommended application temperature: +10 °C (+50 °F) for flat surfaces and +15 °C (+59 °F) for rivets.
- Operating temperature range (outdoors): from -40 °C to +90 °C (-40 °F to +194 °F).
- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. <u>except grain substrates or substrates coated with acrylic paint.</u>
- In the case of an 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 all coatings, 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 laminating films PC500, PC190 or PC30.
- For more information on the application method of the V100WG2 film, please refer to the Application Guide on the "Professionals" pages, category "Digital printing media" on our site www.hexis-graphics.com.

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 +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:
     - PC500: 5 years.
     - PC190 and PC30: 4 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.