TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE

V204EG

Film composed of 80-µm, calendered, polymeric PVC and coated with a pressure-sensitive acrylic adhesive. Usable for solvent, eco-solvent, latex and UV inkjet printing. White frosted surface finish.

FILM FEATURES:

	Indicative values	
• Thickness (µm):	80	
• Total thickness of the product (µm):	185	
	Average values	**Standard**
• Total weight of the product (g/m²):	240	HEXGSM001
• Tensile strength (N/25 mm):	min. 25	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
V204EG	✓	✓	✓	✓

LINER:

- 75-µm, silicone-coated PET liner.
- 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	18	
after 24 hours of application	23	
• Initial tack (N/25 mm):	19	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003

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

ADHESIVE:

- Solvent-based acrylic adhesive.
- Adhesion is immediate and permanent (non-repositionable adhesive), suitable for wet application.

USER'S INSTRUCTIONS:

- Touch-dry after less than 15 minutes depending on the printer used.
- Recommended minimum application temperature: +10 °C (+50 °F).

Both the ambient and the substrate temperature must comply with the minimum application temperature.

- Operating temperature range (outdoors): -40 °C to +90 °C (-40 °F to +194 °F).
- Apply to an untreated surface that is clean and free from all traces of contaminants (dust, grease, wax, silicone, etc.).

Particular care must be taken to clean the angles and periphery of the glass surfaces in order to enable the film to adhere properly to the surface.

- Adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- In the case of painted substrates, 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 a window glass application, due to a variety of light exposures and conditions, especially when applied with a backlight, it is recommended to perform a preliminary test before each type of application.
- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.
- Optimal drying time for the inks before laminating, coating or further processing is 24 hours minimum.
- The surface finish of the prints may be modified/improved/protected by applying the appropriate laminate: V750 or PC500. For UV prints, use the protective VCR750 laminate.

***Caution**: Applying a laminate can strongly reduce the etched glass surface finish of the V204EG film.*

STORAGE:

- Shelf life (before application):

  The shelf life of this film is one year when stored upright in its original packaging in a dust-free environment at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure:
  Blank: 5 years.
  Printed and laminated:
  - PC500: 5 years.
  - V750: 4 years.
  - VCR750: 3 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 the geographical area" chart available under Durability, on the "Professionals" pages on our site www.hexis-graphics.com.