TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE

PC30G2 – PC30M3

Film composed of a 30-µm, clear, cast PVC, which is coated with a pressure-sensitive acrylic adhesive. Gloss (PC30G2) or matt (PC30M3) surface finish for cold lamination of cast HEXIS vinyls for digital printing.

FILM FEATURES:

	Indicative value	
• Thickness (µm):	30	
	Average values	Standard
• Tensile strength (N/25 mm):	min. 15	HEXNFX41031
• Elongation at break (%):	min. 100	HEXNFX41031
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.3	HEXRET001

LINER:

- Silicone-coated PE paper 145 g/m², with 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	13	
after 24 hours of application	15	
• Initial tack (N/25 mm):	13	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003

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

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Protection of solvent inkjet printed cast films.
- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- For film cleaning, only use a non-abrasive sponge or soft cloth with soapy water.
- UV protection.
- 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:

- Before applying this laminate to a solvent-based HEXIS digital printing film, it is recommended to respect the optimal drying time for the inks of:
  - 48 hours for a cast film;
  - 24 hours for a calendered film.

STORAGE:

- Shelf life (before application):

  The shelf life of this film is 1 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, upon substrate: up to 5* years.

**Time during which the film retains a correct surface finish, from a conventional viewing distance. (A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials). The durability indicated in this document concerns only the laminate and not the finished visual or graphic.*

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.