



TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE

PG3036UVB

Film composed of a 36- μm very transparent UV-treated polyester, which is coated with a pressure-sensitive acrylic adhesive. Intended for the cold lamination or protection of 2D flat surfaces, the film is easy to clean and can be used as anti-graffiti protection. Glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μm):	36	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	> 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

LINER:

- Transparent silicone-coated PET liner 36 μm .
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

	<u>Average value</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	15	
after 24 hours of application	17	
• Initial tack (N/25 mm):	18	HEXFTM009
• Release (N/25 mm):	0.1	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:

- Anti-UV and anti-graffiti protection of 2D flat surfaces.
- Dry application only.
- For an outdoor application, an extra margin of 2 cm (0.79 in.) is preferable.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Range of film operating temperatures: from -40 °C to +90 °C (-40 °F to +194 °F).
- Only use non-felted squeegees during application.
- The film can be cleaned with a non-abrasive sponge or a soft cloth and acetone, alcohol, soapy water or HEX'AG.
- 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 any lamination, coating or other of a HEXIS digital printing film, optimal drying time for the inks is:
 - 48 hours for a cast film;
 - 24 hours for a calendered film.
- When using in lamination, make sure that during the lamination the tensions of each film (film to be laminated and lamination) are the same.
- When repositioning a digital print film complex + PG3036UVB, white lines may appear in the laminating film PG3036UVB during application.

For a line-free result, HEXIS recommend using masking tape to correctly adjust the position of the complex (always with its liner) on the substrate before removing the liner and applying the film.

STORAGE:

- Shelf life (before application):
The shelf life of this film is 2 years when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C and +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

DURABILITY: (Central European climate)

- Vertical exposure on flat surface:
Outdoors: 5 years.

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. The measuring methods for the standards quoted above served as the 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 the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.