



TECHNICAL DATA SHEET - DIGITAL PRINTING - ANTI-GRAFFITI - PERMANENT ADHESIVE

LHD30G

Conformable film composed of 30- μ m ETFE, which is coated with a pressure-sensitive adhesive. The film is suitable for cold-laminating HEXIS digital printing films, which have been printed with solvent, eco-solvent and latex inks. Its mechanical properties allow it to be applied to slightly curved surfaces. It has a glossy surface finish.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (μ m):	30	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	> 20	HEXNFX4102I
• Elongation at break (%):	> 100	HEXNFX4102I
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

LINER:

- 75- μ m, silicone-coated PET liner.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

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

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application:	10	
after 24 hours of application:	12	
• Initial tack (N/25 mm):	17	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Specially designed for use in heavily sunlit areas. High protection against UV.
- Dry application only.
- Optimal drying time for the inks before laminating, coating or further processing of a HEXIS digital printing film, which has been printed with solvent, eco-solvent and latex inks, is:
 - 48 hours for a cast film;
 - 24 hours for a calendered film.
- The application of multiple films by overlapping must be limited, even avoided, if possible.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).

The film has anti-graffiti properties.

- To clean the film, use a non-abrasive sponge or soft cloth with acetone, alcohol, soapy water or HEX'AG.
- 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.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 2 years when stored horizontally 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 on flat surfaces:
Without mechanical stress and cleaning: Up to 8 years.
- Vertical indoor exposure:
Up to 8 years (on surfaces or areas not subject to frequent handling or high visitor frequency).

A film applied to surfaces exposed to mechanical stress will be subject to repeated abrasion that will reduce more or less rapidly its lifespan (change of appearance, peeling off, etc.).

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.

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 of the published information is based on measurements regularly performed in the laboratory. The published information 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.