



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - REMOVABLE ADHESIVE VCLEARCGI

Film composed of 100-µm monomeric PVC with improved transparency, which is coated with a pressure-sensitive acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. This film is intended for application to glass surfaces. It has a glossy surface finish.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (µm):	100	
• Total thickness of the product (µm):	215	
	<u>Average values</u>	<u>Standard</u>
• Weight (g/m²):	270	HEXGSM001
• Tensile strength (N/25 mm) :	min. 40	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 1.2	HEXRET001

GENERAL PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex	UV
VCLEARCGI	✓	✓	✓	✓

LINER:

- Silicone-coated PET liner 75 µm.

ADHESIVE PROPERTIES:

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	7	
after 24 hours of application	9	
• Initial tack (N/25 mm):	9	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate adhesion; removable adhesive.

USER'S INSTRUCTIONS:

- Touch dry after more than 10 minutes depending on printer used.

Adjust the drying time of the inks upon the type of printing technology used and the quantity of ink applied.

- Wet application recommended.
- Recommended minimum application temperature: +15 °C (+59 °F).

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

- Operating temperature range: -15 °C to +50 °C (+5 °F to +122 °F).
- Apply to untreated mineral glass 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. **Clean the glass surface with soapy water only.***

- To limit the risk of marking the film during the application, only use our very soft MAXBLUE or SHAGFENCES squeegees. Before carrying out the squeegeeing step, it is also possible to place the previously removed protection liner on the film surface.

OPERATING RECOMMENDATIONS:

- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.
- The surface finish of your printings can be modified/protected by applying the VCLEARCGI film as lamination.

When applied to laminated monomeric or polymeric PVC films, the removable adhesives can become semi-permanent. The duration of application and the type of exposure may accelerate this phenomenon.

STORAGE:

- Shelf life (before use):

The shelf life of this film is one year when stored in its unopened original packaging at a temperature ranging from -5 °C to 40 °C (+23 °F to +104 °F) with relative humidity between 60 % and 70 %.

DURABILITY: (European climate)

- Vertical outdoor exposure, blank: up to one year, depending on the substrate.
- Removability without significant traces of adhesive: up to 6 months.

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the absolute suitability of the medium for each specific 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.