



TECHNICAL DATA SHEET – DIGITAL PRINTING – PVC (REMOVABLE ADHESIVE) VCLEARCGI

Film consisting of an 80- μm , transparent, monomeric PVC which is coated with a pressure-sensitive acrylic adhesive. Intended for standard solvent, eco-solvent, UV and latex inkjet printing. Gloss surface finish.

FILM FEATURES:

	<u>Average values</u>
• Thickness (μm):	80
• Total caliper (μm):	200
• Tensile strength (N/25 mm):	12
• Elongation at break (%):	> 100

PRINTER COMPATIBILITIES:

	Solvent	Eco-solvent	Latex	UV
VCLEARCGI	✓	✓	✓	✓

LINER:

- Silicone-coated PET liner of 100 μm

ADHESIVE FEATURES:

	<u>Average values</u>
• Peel on glass at 180° (N/25 mm):	
20 minutes after application	6
24 hours after application	6
• Initial tack (N/25 mm):	4

ADHESIVE:

- Acrylic adhesive
- Immediate and removable adhesion

USER'S INSTRUCTIONS:

- Leave some unprinted millimetres on the edges of the film to prevent curling.
- Touch-dry after more than 10 minutes following application depending on the printer used.

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

- « Wet » application method is recommended.
- Minimum application temperature recommended: +15 °C (+59 °F)

The minimum application temperature must be respected for both the ambient and substrate temperature.

- Operating temperature range: from -15 °C to +50 °C (from +5 °F to +122 °F)
- Application on a non-treated and clean surface that is free of any traces of pollutants (dust, grease, wax, silicone ...).

*Pay attention to the cleaning of the glass surfaces angles and edges to let the film adhere properly to the surface. **Cleaning of the glass surfaces only with soapy water.***

- Only use our very flexible BLUEMAX or MARJO squeegees in order to limit the risk of leaving traces on the film during application. It is also possible to place the previously removed liner paper as a protection on the film surface before using the squeegee.

To comply with REACH regulation, please be aware about the presence of bis (2-ethylhexylphtalate) (DEHP) at a concentration of 14.6 %.

RECOMMENDATIONS:

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

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

STORAGE:

- Shelf life (before application):

The shelf life of this film is 1 year if it is stored unopened in its original packaging at a temperature ranging from +15 °C to +28 °C (from +59 °F to +82 °F), with relative humidity between 60 % - 70 %.

DURABILITY: (European climate)

- Vertical outdoor exposure, unprinted: up to 16 month, depending on the substrate
- Removal without important adhesive residues: up to 8 month

NOTES:

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as 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 information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.