



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - WATER RESISTANT PERMANENT ADHESIVE
V890WR

Film composed of a 135- μ m water-resistant matt PVC, which is coated with a pressure-sensitive permanent acrylic adhesive, intended for aqueous inkjet printing.

FILM FEATURES:

	<u>Indicative value</u>	
• Total thickness of the product (μ m):	295	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product (g/m^2):	315	HEXGSM001
• Weight of layered adhesive vinyl (g/m^2):	185	HEXGSM001
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 1.2	HEXRET001
• Opacity (%):	> 90	HEXOPA001

GENERAL PRINTER COMPATIBILITIES:

- Aqueous pigment inks.
- Thermal inkjet technology.

LINER:

- Silicone-coated Kraft paper 137 g/m^2 unprinted.
- 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	9	
after 24 hours of application	15	
• Initial tack (N/25 mm):	11	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.
- Adhesion is immediate and permanent (non-repositionable adhesive).

USER'S INSTRUCTIONS:

- Pigment inks for outdoor use.
- For outdoors, use pigment inks with a laminating film with extra margin (2.5 cm) (0.98 in.).
- For indoor application to floors, use pigment inks when cold laminating with GFLI170 and leave an extra margin of 2.5 cm (0.98 in.) for improved scratch resistance.
- Cold lamination ONLY.
- Touch-dry after less than 10 minutes depending on printer used.
- Operating temperature range: +10 °C to +30 °C (+50 °F to +86 °F) with 30-70 % humidity.
- Water-resistant substrate.
- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- 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, optimal drying time for the inks is 24 hours.
- The surface finish of your printing may be modified/improved/protected by a judicious choice of the laminating film V700 Matt, Satin or Glossy.

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: 6 months without protection.
- Protected by the laminating film V700, durability is 12 months.

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.