



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE VCXR10IWGI

Film composed of a 50- μ m cast PVC, which is coated with an extra-reinforced, pressure-sensitive acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

Due to its extra-reinforced adhesive, this product is particularly recommended for applications to irregular surfaces, such as bricks, concrete, chipboard, etc.

Moreover, it may also be used on highly structured surfaces and for applications requiring adhesion strengths higher than those of the VCSR10IWGI film.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (μ m):	50	
• Total thickness of the product (μ m):	265	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product (g/m^2):	280	HEXGSM001
• Tensile strength (N/25 mm):	min. 20	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.7	HEXRET001

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
VCXR10IWGI	✓	✓	✓	✓

LINER:

- Silicone-coated PE paper 145 g/m^2 with light grey HEXIS print.
- 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	25	
after 24 hours of application	28	
• Initial tack (N/25 mm):	28	HEXFTM009
• Release (N/25 mm):	0.5	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

USER'S INSTRUCTIONS:

- Touch-dry after less than 10 minutes depending on printer used.
- Recommended minimum application temperature: +10 °C (+50 °F), down to -1 °C (+30 °F) being acceptable for flat surfaces and +15 °C (+59 °F) for rivets and irregular surfaces.
- Operating temperature range (outdoors): from -40 °C to +90 °C (-40 °F to +194 °F).
- Maximum operating temperature range (outdoors, on irregular surfaces): +60 °C (+140 °F).
- 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 all coatings, optimal drying time for the inks is 48 hours minimum.
- The surface finish of your printing may be modified/improved/protected by one of the laminating films PC500, PC190 or PC30.
- For an application to irregular surfaces (walls, wall coverings, etc.) a particular installation method is required. For more information please, refer to its Application Guide on the "Professionals" pages, category "Digital printing media" on our website www.hexis-graphics.com.

STORAGE:

- Shelf life (before use):

The shelf life of this film is 1 year when stored unopened in its original packaging at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

DURABILITY: (Central European climate)

- Vertical outdoor exposure on smooth surfaces:
Unprinted: 10 years.
Printed and laminated:
- PC500: 5 years.
- PC190 and PC30: 4 years.
Printed: 2 years.
- Vertical outdoor exposure on irregular surfaces (brick, concrete, chipboard, etc.): Printed and laminated with PC500, PC190 or PC30: 3 to 6 months depending on exposure and climate conditions.
- Indoor exposure on irregular surfaces (brick, concrete, chipboard, etc.): 5 years.

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 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 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.