



TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE

VCSR30IWGI – VCSR30IWM1 – VCSR30IWS1

Film composed of a 100- μ m, calendered, monomeric PVC, which is coated with a permanent pressure-sensitive acrylic adhesive, suitable for adhesion to low energy surfaces. For solvent, eco-solvent, latex and UV inkjet printing. Glossy (VCSR30IWGI), matt (VCSR30IWM1) or satin (VCSR30IWS1) surface finish.

FILM FEATURES:

	<u>Indicative values</u>	
• Thickness (μ m):	100	
• Total thickness of the product (μ m):	295	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product (g/m^2):	320	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	HEXRET001

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
VCSR30IWGI – VCSR30IWM1 – VCSR30IWS1	✓	✓	✓	✓

LINER:

- Silicone-coated PE paper 145 g/m^2 with light blue 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>
On glass		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application	28	
after 24 hours of application	32	
• Initial tack (N/25 mm):	30	HEXFTM009
On polypropylene		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application	15	
after 24 hours of application	16	
• Initial tack (N/25 mm):	16	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.
- Special low energy surface adhesive (polypropylene, polyethylene, etc.).
- Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

Due to the wide variety of existing substrates, the application of vinyl to an unsuitable and/or not adequately prepared surface or laminate may result in media lifting from the substrate or damage to the substrate when the film is removed. The application and removal of the vinyl are at the judgement and risk of the installer. HEXIS will not, under any circumstances, be liable for any damages or deteriorations caused by the installation or removal of a vinyl film.

- Touch-dry after less than 10 minutes depending on printer used.
- Minimum recommended application temperature: +10 °C (+50 °F), acceptable down to -1 °C (30 °F).
- Operating temperature range (outdoors): from -40 °C to +90 °C (-40 °F to +194 °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 24 hours minimum.
- The surface finish of your printing may be modified/improved/protected by a judicious choice of laminating films V700 or V650. For UV printing, protect with the laminating film VCR650.

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 on flat surfaces:
Unprinted: 4 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.

CERTIFICATIONS:

- This product is **C-s1, d0** classified according to the European standard EN13501-1:2018: Fire classification of construction products and building elements (protocol no. EFR-21-004234).

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.