

# VCSR301WG1 – VCSR301WM1 – VCSR301WS1


**PRODUCT DESCRIPTION:**

Films composed of a 100-µm, 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 (VCSR301WG1), matt (VCSR301WM1) or satin (VCSR301WS1) surface finish.

**FILM FEATURES:**

• Thickness	(Indicative value) <b>100 µm</b>	
• Total thickness	(Indicative value) <b>295 µm</b>	
• Total weight	(Average values) <b>320 g/m<sup>2</sup></b>	Method <b>HEXGSM001</b>
• Tensile strength	(Average values) <b>min. 40 N/25 mm</b>	Method <b>HEXNFX41021</b>
• Elongation at break	(Average values) <b>min. 100 %</b>	Method <b>HEXNFX41021</b>
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) <b>&lt; 1 mm</b>	Method <b>HEXRET001</b>

**LINER:**

- Silicone-coated PE paper 145 g/m<sup>2</sup> with light blue HEXIS print.
- Stable under hygrometric variations

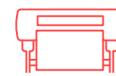
**ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

• Peel strength test at 180° ; Measurement support <b>glass</b>	(Average values)	Method
after 20 minutes of application	<b>30 N/25 mm</b>	<b>HEXFTM001</b>
after 24 hours of application	(Average values) <b>33 N/25 mm</b>	Method <b>HEXFTM001</b>
• Initial tack	(Average values) <b>31 N/25 mm</b>	Method <b>HEXFTM009</b>
• Peel strength test 180°; Measurement support <b>polypropylène</b>	(Average values)	Method
after 20 minutes of application	<b>15 N/25 mm</b>	<b>HEXFTM001</b>
after 24 hours of application	(Average values) <b>16 N/25 mm</b>	Method <b>HEXFTM001</b>
• Initial tack	(Average values) <b>16 N/25 mm</b>	Method <b>HEXFTM009</b>
• Release	(Average values) <b>0.1 N/25 mm</b>	Method <b>HEXFTM003</b>
• 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.



## PRINTING GUIDE:

- Touch-dry after less than 10 minutes depending on the printer used.
- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.

## USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F) acceptable down to -1 °C (+30 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)

*Due to the wide variety of existing substrates, the application of film to an unsuitable and/or not adequately prepared surface or coating may result in media lifting from the substrate or damage to the substrate when the film is removed. The application and removal of the film 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.*

- In the case of an already painted substrate, apply to undamaged original paintwork only. 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:

- The surface finish of your printings may be modified/improved/protected by applying the appropriate laminate: V700 or V650. For UV printings, use the protective VCR650 laminate.

## STORAGE:



Storage period before use  
**1 year**



Storage temperature  
**+15 °C to +25 °C (+59 °F to +77 °F)**



Relative humidity during storage  
**with relative humidity of 50 %**



Storage area  
**in a dust-free environment**



Storage method before use  
**in its unopened original packaging**



Orientation of rolls before use  
**vertically**

## 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](http://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 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](http://www.hexis-graphics.com).