



## VWOOD



### PRODUCT DESCRIPTION:

Film composed of a 130- $\mu$ m, transparent, structured, polymeric, calendered PVC, which is coated with a pressure-sensitive acrylic adhesive. Designed to be laminated on mass-coloured or digital printing films; it can also be directly applied to flat surfaces. Structured imitation wood surface finish.

### FILM FEATURES:

• Thickness	(Indicative value) <b>130 <math>\mu</math>m</b>	
• Tensile strength	(Average values) <b>min. 50 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 Kraft paper 87 g/m<sup>2</sup> with grey 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 glass		
after 20 minutes of application	(Average values) <b>15 N/25 mm</b>	Method <b>HEXFTM001</b>
after 24 hours of application	(Average values) <b>18 N/25 mm</b>	Method <b>HEXFTM001</b>
• Initial tack	(Average values) <b>21 N/25 mm</b>	Method <b>HEXFTM009</b>
• Release	(Average values) <b>0.3 N/25 mm</b>	Method <b>HEXFTM003</b>
• 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:

- Dry application method
- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- The VWOOD laminate is designed to be laminated on coloured films and provides your film substrate with a brushed aluminium surface finish.
- It can be used as a cold laminate on HEXIS digital printing films, which have been printed with solvent, eco-solvent, latex or UV inkjet technology. It provides the graphics with an imitation wood surface finish.
- The VWOOD laminate can be applied to all flat and smooth surfaces providing the substrate with a brushed aluminium surface finish.
- The film can be cleaned by all conventional cleaning methods, using non-abrasive accessories, cleaning products or detergents.
- 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:

- Before applying this laminate to a HEXIS digital printing film, which has been printed with solvent inks, it is recommended to respect the following optimal drying time for the inks:
  - 48 hours if the printed film is cast,
  - 24 hours if the printed film is calendered.
- After installation, the final surface aspect can be improved by heating the film to +60 °C (+140 °F) and by applying it using a ROLLRIV foam roller.
- For more information on the application method of the VWOOD film, please refer to its Application Guide under the «Professionals» heading, in the «Laminates» category on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).

## 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 original packaging**

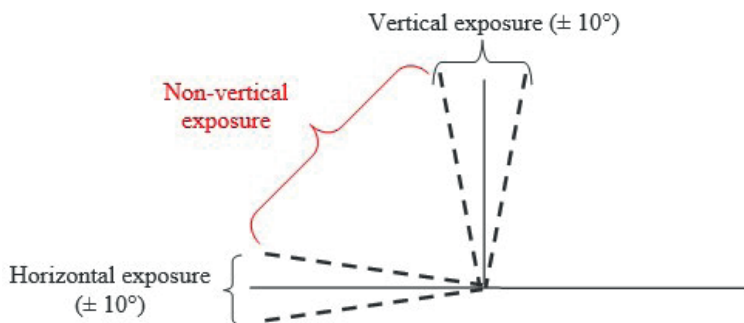


Orientation of rolls before use  
**vertically**

## DURABILITY: (Central European climate)

- Vertical outdoor exposure, upon substrate:
  - Without mechanical stress: Up to 5\* years.
  - With mechanical stress: depends on the type and frequency of the stresses.

\*Time during which the film retains a correct surface finish, from a conventional viewing distance. (A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials.)



Note: The durability indicated in this document:

- concerns only the laminate and not the finished visual or graphic.
- is inherent in an upright position of  $\pm 10^\circ$  and in the product's geographical exposure position. Any other position accentuates climatic influences and an alteration in gloss or colour, or even a slight dusting may appear. Southern exposure, with a  $45^\circ$  inclination may divide the durability of the film by 2, and horizontal exposure by 2.8. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.
- is confirmed by UV ageing tests and vertical natural outdoor weathering.

- Indoor exposure, upon substrate: up to 8 years (for surfaces or areas subject to moderate handling or visitor frequency).

*A film applied to surfaces exposed to mechanical stress will be subject to repeated abrasion that will reduce more or less rapidly its lifespan (change of appearance, peeling off, etc.).*

*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).