

VBRUSHED

PRODUCT DESCRIPTION:

Film composed of a 100-µm, 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. Brushed aluminium surface finish.

FILM FEATURES:

• Thickness	(Indicative value) 100 µm	
• Tensile strength	(Average values) min. 50 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 100 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.5 mm	Method HEXRET001

LINER:

- Silicone-coated Kraft paper 87 g/m² 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) 19 N/25 mm	Method HEXFTM001
after 24 hours of application	(Average values) 23 N/25 mm	Method HEXFTM001
• Initial tack	(Average values) 22 N/25 mm	Method HEXFTM009
• Release	(Average values) 0.4 N/25 mm	Method HEXFTM003
• 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:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- The VBRUSHED 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 VBRUSHED 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.
- For more information on the application method of the VBRUSHED film, please refer to its Application Guide under the «Professionals» heading, in the «Laminates» category on our website 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

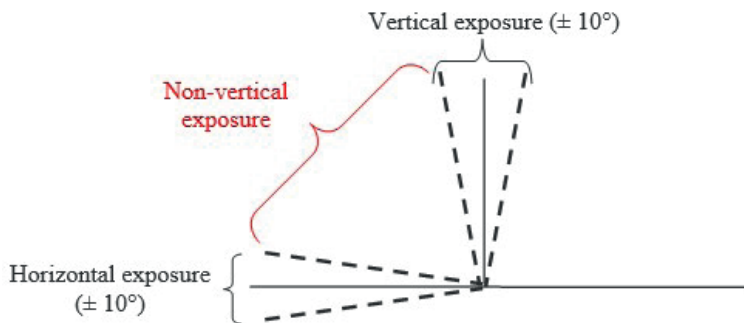


Orientation of rolls before use
vertically

DURABILITY: (Central European climate)

- Vertical outdoor exposure, upon substrate:
Without mechanical stress: up to 5* years.

*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° 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.

This durability may vary depending on frequency, type of cleaning and mechanical stress (friction, impacts etc.) to which the film is exposed.

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 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.