



PCSTARXX series

PRODUCT DESCRIPTION:

Film composed of a 70-µm, clear, cast PVC with glitter effect, which is coated with a pressure-sensitive acrylic adhesive. Glossy or satin surface finish; intended for cold laminating.

FILM FEATURES:

| | | |
|---|--|------------------------------|
| • Thickness | (Indicative value) 70 µm | |
| • Tensile strength | (Average values) min. 20 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:

- 75-µm, silicone-coated PET liner.
- Stable under hygrometric variations

ADHESIVE PROPERTIES:

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

| | | |
|---|--|----------------------------|
| • Peel strength test at 180°; Measurement support glass | (Average values) | Method |
| after 20 minutes of application | 19 N/25 mm | HEXFMT001 |
| after 24 hours of application | (Average values) 25 N/25 mm | Method HEXFMT001 |
| • Initial tack | (Average values) 17 N/25 mm | Method HEXFMT009 |
| • Release | (Average values) 0.4 N/25 mm | Method HEXFMT003 |
| • The adhesive is resistant to most chemicals (alcohol, diluted acids, oils). | | |

ADHESIVE:

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- UV protection.
- For modifying/improving/protecting:
 - a plotter or wrap vinyl: apply the PCSTARXXX film to unstructured films only using a cold laminator or via direct application. The compound can be cut using a plotter, except Super Chrome films (see technical data sheets of Super Chrome films). After cutting, it is possible to transfer with the HEX904 and HEX860 tapes.
 - a digital printing film: apply the PCSTARXXX film to solvent, eco-solvent, latex or UV inkjet printed films only.
 - 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.
- To clean the film, only use a non-abrasive sponge or soft cloth with soapy water.



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.

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



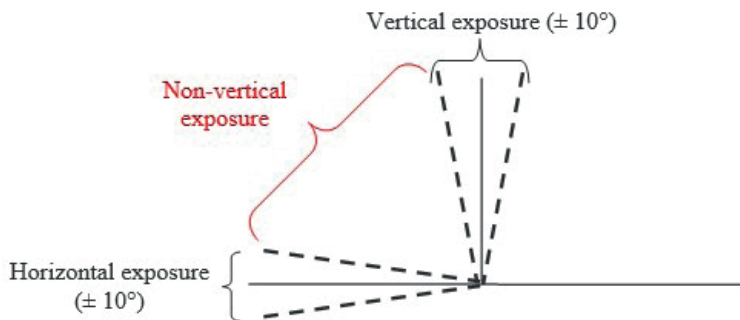
Storage method before use
in its original packaging



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° 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 7 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.