

## PC190G2 – PC190M3 – PC190S

### PRODUCT DESCRIPTION:

The film is composed of 50-µm, transparent, cast PVC, which is coated with a pressure-sensitive, acrylic adhesive. Glossy (PC190G2), matt (PC190M3) or satin (PC190S) surface finish; for cold-laminating cast HEXIS digital printing films: films of the 100 series, HX190WG2 and THE190EVO. This laminate, which is thicker than the current 30-µm laminates, enables the compound to be easily handled and installed.

### FILM FEATURES:

• Thickness	(Indicative value) <b>50 µm (2 mil)</b>	
• Tensile strength	(Average values) <b>min. 30 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; 0.5 mm</b>	Method <b>HEXRET001</b>
• UV absorption	(Average values) <b>&gt; 90</b>	Method <b>NF EN 410</b>

### LINER:

- Silicone-coated PE paper 145 g/m<sup>2</sup> with grey «THE CAST by 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>17 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>0.2 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.

### USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- Protection of solvent inkjet printed cast films.
- To clean the film, only use a non-abrasive sponge or soft cloth with soapy water.
- UV protection.
- 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:

- Prior to any lamination, coating or other of a cast printed film, you must wait for 48 hours after printing in order to ensure optimal drying time for the inks.

## 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**

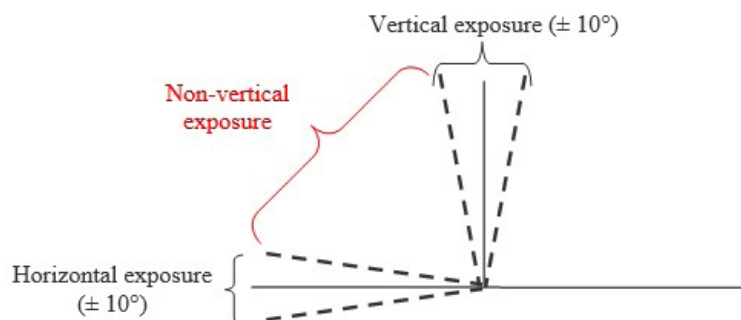


Orientation of rolls before use  
**vertically**

## DURABILITY: CENTRAL EUROPEAN CLIMATE

- Vertical outdoor exposure:  
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.

- Vertical indoor exposure: up to 7 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).