

# PCR190G2

## PRODUCT DESCRIPTION:

Film composed of 50- $\mu$ m, clear, cast PVC, which is coated with a pressure-sensitive acrylic adhesive. This product has been developed 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- $\mu$ m laminates, enables the compound to be easier handled and installed. Particularly suitable for laminating latex and UV inkjet prints. Glossy surface finish.

## FILM FEATURES:

• Thickness	(Indicative value) <b>50 <math>\mu</math>m (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; 0.7 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>14 N/25 mm</b>	Method <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>23 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.

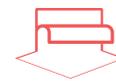
## USER'S INSTRUCTIONS:

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

- Particularly suitable for protecting cast products printed with latex or UV inkjet tints.

*The following applies to UV inkjet printed films: Although the ink is solid immediately after printing, the polymerisation and reticulation time of the inks is 24 hours (variable depending upon the printer used and the quantity of ink applied). Please comply with this minimum waiting time before laminating the UV inkjet-printed film.*

- UV protection.
- To clean the film, only use a non-abrasive sponge or soft cloth with soapy water.
- In the case of painted substrates, 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.

## STORAGE:



Storage period before use  
**2 years**



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**



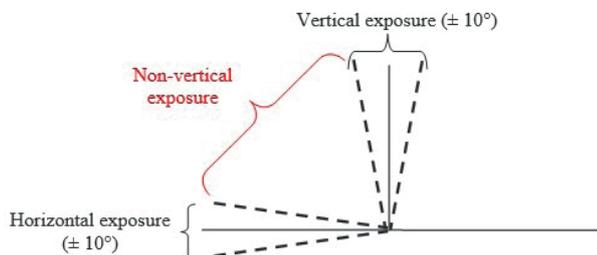
Storage method before use  
**in its original packaging**



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 to an upright position of  $\pm 10^\circ$  and to 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 (on surfaces or areas not subject to frequent handling or high visitor frequency).

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).