

# HX100RTF

## PRODUCT DESCRIPTION:

The product is composed of an approximately 170-µm, retroreflective, cast, adhesive-coated film. The film is composed of glass micro-beads, which are embedded in a flexible acrylic resin. For solvent, eco-solvent, latex and UV inkjet printing. It has a glossy white surface finish.

## FILM FEATURES:

• Total thickness	(Average values) 170 µm
• Tensile strength	(Average values) min. 12 N/25 mm
• Elongation at break	(Average values) min. 140 %
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.4 mm

## Reflectance chart

- Retro-reflective coefficients (blank unprinted, non-laminated product):

Observation angle	0.20°
Entrance Angle	-4°
White*	≥ 70

\*The unit is cd/lux/m<sup>2</sup>.

## LINER:

- Double-sided PE liner of 140 g/m<sup>2</sup> that is silicone-coated and embossed on one side.

## ADHESIVE PROPERTIES:

• Peel strength test at 180° ; Measurement support steel after 20 minutes of application	(Average values) 16 N/25 mm
after 24 hours of application	(Average values) 18 N/25 mm
• Initial tack	(Average values) 12 N/25 mm

## ADHESIVE:

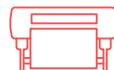
- White, pressure-sensitive adhesive.

## PRINTING GUIDE:

- Digitally printable and cuttable film.
- Printer requirement:
  - Ensure the printing equipment's good maintenance record,
  - It is recommended to perform a preliminary compatibility test between the printing equipment and the media prior to any production launch.
- Touch-dry after less than 10 minutes depending on the printer used.
- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.

## USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +15 °C to +25 °C (+59 °F to +77 °F)
- Operating temperature range: -30 °C to +90 °C (-22 °F to +194 °F).



- 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.

## OPERATING RECOMMENDATIONS:

- The surface finish of the prints may be modified/improved/protected by applying the PC190 laminate. For UV prints, use the protective PC190 laminate.

*The film's reflective features may be significantly impaired by applying a protective laminate.*

## STORAGE:



Storage period before use  
**1 year**



Storage temperature  
**+20 °C to +30 °C (+68 °F to +86 °F)**



Relative humidity during storage  
**with relative humidity of 50 %**



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

## DURABILITY:

- Vertical outdoor exposure:

Blank unprinted: up to 5 years depending on the orientation and geographical zone of exposure.

## 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. 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).