



## TECHNICAL DATA SHEET – PLOTTER VINYL – CRISTAL C 4000 Series

Range comprising a 2.5-mil (0.080 mm) calendered, polymeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Glossy surface finish with **very high transparency**.

### FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
Thickness:	2.5 mil <i>0.08 mm</i>	
Tensile strength:	min. 5.5 lb./in. <i>min. 25 N/25 mm</i>	HEXNFX4102I
Elongation at break:	min. 105 %	HEXNFX4102I
Shrinkage after 168 hours at 158 °F (70 °C):	< 0.024 inch <i>&lt; 0.6 mm</i>	HEXRET00I

### LINER:

- Silicone-coated PET liner of 3 mil (0.075 mm).
- Stable under hygrometric variations.

### ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
Peel strength test 180° on glass		
after 20 minutes of application	5.09 lb./in. <i>23 N/25mm</i>	HEXFTM00I
after 24 hours of application	5.53 lb./in. <i>25 N/25mm</i>	
Initial tack	4.87 lb./in. <i>22 N/25mm</i>	HEXFTM009
Release	0.044 lb./in. <i>0.2 N/25mm</i>	HEXFTM003

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).

### ADHESIVE:

- Solvent-based, acrylic adhesive.
- Immediate and permanent adhesion; suitable for wet application.

**USER'S INSTRUCTIONS:**

- Recommended minimum application temperature: +50 °F (+10 °C).
- Operating temperature range: from -40 °F to +194 °F (from -40 °C to +90 °C).
- For a uniform visual aspect, it is necessary to keep the same film application direction in order to ensure color homogeneity according to the viewing angle.
- In the case of 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.

*Due to its coiling tension, PET liner, and very high transparency, slight traces of mottling may be visible on the film before application. If these marks are still visible after application, they may be attenuated by heating the film very slightly using a heat gun.*

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 2 years when stored unopened in its original packaging at a temperature ranging from +59 °F to +77 °F (from +15 °C to +25 °C) with relative humidity between 30 % and 70 %.

**DURABILITY:**

- Vertical exposure: Up to 5 years upon colors.

*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).*

**CERTIFICATIONS:**

- This product is B-s1, d0 classified according to the European standard EN13501-1:2018: Fire classification of construction products and building elements.

**NOTES:**

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as 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 the published information is based on measurements regularly performed in the laboratory. It 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).