



TECHNICAL DATA SHEET – SIGN VINYL – CRISTAL C 4000 Series

Range of products consisting of an 80- μm , cadmium-free, calendered, polymeric PVC, which is coated with a pressure-sensitive, acrylic adhesive. Gloss surface finish with **very high transparency**.

FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
• Thickness (μm):	80	
• Tensile strength (N/25 mm):	min. 25	HEXNFX4102I
• Elongation at break (%):	min. 105	HEXNFX4102I
• Shrinkage (mm) after 168 hours at 70 °C (158 °F):	< 0.6	HEXRET00I

LINER:

- Silicone-coated PET liner of 75 μm
- Stable under hygrometric variations

ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• 180° peel strength test on glass (N/25 mm): after 20 minutes of application	20	HEXFTM00I
after 24 hours of application	22	
• Initial tack (N/25 mm):	20	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, petrol, diluted acids, oils and fuels).		

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °C)
- Operating temperature range: from -40 °C to +90 °C (from -40 °F to +194 °F)
- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

Due to its winding tension, its PET liner, and its 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 if it is stored in its unopened original packaging at a temperature ranging from +15 °C to +25 °C (from +59 °F to +77 °F), with relative humidity between 30 % and 70 %.

DURABILITY: (Central Europe climate)

- Vertical exposure: up to 5 years, upon colours.

NOTES:

Because of 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 information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.