



## TECHNICAL DATA SHEET - SIGN VINYL HXRI50BGR

Film composed of a 150- $\mu$ m calendered, polymeric PVC, which is coated with a pressure-sensitive, reinforced acrylic adhesive. Structured adhesive for faster application and air evacuation. Grain, matt surface finish. Especially suitable for car window pillars.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	150	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage 168 hours at 70°C (158 °F) (mm):	< 0.4	HEXRET001

### **LINER:**

- Silicone-coated and embossed PE paper 145 g/m<sup>2</sup>, with light grey HEXIS print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	19	
after 24 hours of application	21	
• Initial tack (N/25 mm):	23	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).		

### **ADHESIVE:**

- Solvent-based acrylic adhesive.
- Structured adhesive for faster application and air evacuation.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

**USER'S INSTRUCTIONS:**

- Minimum recommended application temperature: +15 °C (+59 °F). Apply preferably between +20 °C and +25 °C (+68 °F and +77 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- Dry application.

*It is mandatory to use the so-called "dry" application method with the HXR150BGR film, due to its HEX'PRESS liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

**OPERATING RECOMMENDATIONS:**

- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.
- 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.

**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 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

**DURABILITY:**

Colour	Durability (years)			
	Northern & Central European climate	Mediterranean Climate	Tropical & Oceanic Climate	Desert climate
Black	10	8	7	6

*These results were obtained from a vertical ( $\pm 10^\circ$ ) outdoor exposure. The conditions of durability indicated are inherent to this position up to a few degrees. Other positions accentuate climatic influences and an alteration in gloss or colour, or even a slight dusting may appear. 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 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).