



## CAST DATA SHEET HX3000 SERIES

Cast multilayered high performance vinyl, 110 microns, coated with a solventbased pressure sensitive acrylic adhesive. Structured adhesive for faster application and convenient air egress. Specially designed for full vehicle wraps and marking applications on vehicles with complex compound curves. Gloss, matt or super matt surface finish.

### **SPECIFICATIONS:**

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	110	
• Tensile strength (N/25mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Dimensional stability (mm): after 168h at 70°C	< 0.4	HEXRET001

### **LINER:**

- Embossed PE coated paper liner 145g/m<sup>2</sup> grey imprint "THE CAST by HEXIS".
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

- |  |      |           |
|--|------|-----------|
| • Peel on glass at 180° (N/25mm):  |      | HEXFTM001 |
| 20 minutes after application   | 18   |           |
| 24 hours after application   | 20   |           |
| • Initial tack (N/25mm):   | 18   | HEXFTM009 |
| • Release (N/25mm):  | 0.20 | HEXFTM003 |
| • The adhesive is resistant to most chemicals (alcohol, diluted acids, oils and hydrocarbons). |      |           |

**RECOMMENDATIONS:**

- Recommended minimum application temperature: +15 °C (59 °F). Apply preferably between 20 °C and 25 °C (68 °F and 77 °F).
- Optimum environment -40 °C to +90 °C (-40 °F to +194 °F).
- Highly conformable, recommended for vehicles.
- For further information about the application of the CAST HX30000 film please refer to Professionals/Data Sheets on our website.
- The colour of the films is controlled by Hexis in order to ensure faithful reproduction of colour tints. Nevertheless, in the case of installs that require the use of several rolls of the same colour, Hexis recommends to use only one lot number of this colour.
- Matt colours are fragile and easily scratched or marked. Handle with care. Should any traces remain after application they can be attenuated by slightly heating (max. 90 °C /194 °F) the surface with a heat gun.
- In the case of painted substrates self-adhesive media must only be applied onto the undamaged original paintwork. If the paint is not the original paintwork and/or if it is damaged, the application and the removal are at the installer's risk.

**ADHESIVE:**

- Acrylic solvent based.
- Immediate and permanent adhesion; maximum adhesion after 24 hours.
- Structured adhesive for convenient application and elimination of air bubbles.
- Dry application.

**SHELF LIFE:**

- 2 years at +15 °C to +25 °C (+59 °F to +77 °F) and 30 to 70 % relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

**DURABILITY:**

- The pigments (colouring) of the PVC influence the durability of the colours. The durability is confirmed by aging tests of the CAST under UV rays and by natural exposure: the durability given below is the moment when a gradual decline or modification of the appearance shows.

Colour	Nordic climate Central Europe	Mediterranean climate	Tropical and marine climate	Desert climate
White. Black matt	10 years	8 years	7 years	6 years
Variochrome colours	5 years	4 years	2 years	1 year

These results are obtained under vertical outdoor exposure and the conditions of the indicated durability depend on this position up to a few degrees. Other positions accentuate the climatic influences and alterations of gloss, colour or even a slight powder effect may appear.

These durabilities do not cover alterations due to scratches or wear occurring during applications or the life cycle of the product.

**Note:**

Because of the great variety of substrates and possible application methods the installer must examine the suitability of the media for each application.

The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force.

All published data are based on measurements carried out regularly under laboratory conditions. They do, however, not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The seller assumes no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: [www.hexisgroup.com](http://www.hexisgroup.com).