

DATA SHEET CAST KG 10000 SERIES

High performance cast PVC film, 50 micron, coated with pressure sensitive solvent-based acrylic adhesive.

CHARACTERISTICS OF THE FILM:

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	50	
• Tensile strength (N/25mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Dimensional stability (mm): after 168 hours at 70°C	< 0.3	HEXRET001

LINER:

- Silicone coated paper liner 137 g/m², grey “THE CAST by HEXIS” imprint.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Average values measured while editing the technical data sheet)

- | | | |
|-----------------------------------|------|-----------|
| • Peel on glass at 180° (N/25mm): | | HEXFTM001 |
| 20 minutes after application | 15 | |
| 24 hours after application | 18 | |
| • Initial tack (N/25mm): | 17 | HEXFTM009 |
| • Release (N/25mm): | 0.20 | HEXFTM003 |
- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils and hydrocarbons).

RECOMMENDATIONS FOR USE:

- Minimum application temperature recommended: +7 °C (+45 °F).
- Optimum environment -40 °C to +90 °C (-40 °F to +194 °F).
- For further information about the application methods of the CAST film please refer to the Technical Bulletin under 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.

ADHESIVE:

- Acrylic solvent based.
- Immediate and permanent adhesion, suitable for wet application only on flat surfaces.

STORAGE:

- Shelf life (before application):
2 years if stored unopened in its original packing at a temperature between +15°C and +25°C (+59 °F to +77 °F) and 30 to 70 % relative humidity.

INDICATIVE DURABILITIES:

- The pigments (colouring) of the PVC influence the durability of the colours. An estimate of durability is indicated by accelerated aging tests of the CAST KG10000 under UV rays and by natural exposure.

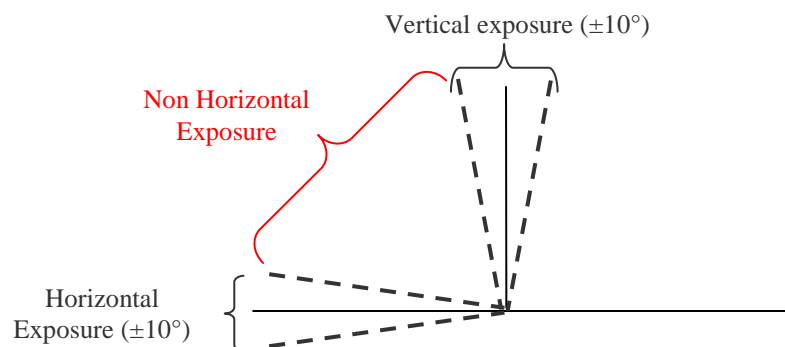
Tinge	Indicative durabilité (years) ⁽¹⁾
	Vertical exposure (± 10°) Central European climate
White, black gloss	10
Colours, other tinges	8
Metallics	4

Chart I : vertical durabilities⁽¹⁾ Central Europe

- These results indicated above are specifically obtained under vertical (±10°) outdoor exposure. The conditions of the durability indicated in Chart I 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. An application on an vehicle engine hood is particularly harsh because of the horizontal exposure and the heat from the engine

- For an estimate of the durabilities under non vertical exposure, divide the durabilities in Chart I by the factors in Chart 2.

Exposure	Division factor ⁽¹⁾
	Central European climate
Non vertical exposure	2
Horizontal exposure ($\pm 10^\circ$)	2.8

Chart 2: Division factors

- The actual durability of a product depends on a large number of parametres, including, among others, the quality and the preparation of the substrate, the exposure (environment, climate, exposure angle), the maintenance of the graphic, the amount of pollution.

Note:

(1) The indicated durabilities in this document do not constitute a guarantee. They are estimates of the duration during which the film keep a correct appearance at the usual observation distance.

The degradation of the materials (such as a slight and progressive change of the colour and the gloss) is a natural and unavoidable phenomenon.

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. 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 data are believed to be correct but do 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 buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume 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.