



TECHNICAL DATA SHEET - WRAPPING

HX30CAONEB

Film composed of a 100- μm , very high performance, multilayered, cast vinyl, which is coated with a pressure-sensitive, solvent-based acrylic adhesive. Structured adhesive for faster application and air egress. Specially designed for vehicle full wraps and strongly deformed surfaces. Glossy film with "smooth carbon fibre" surface finish.

FILM FEATURES:

| | <u>Indicative value</u> | |
|---|-------------------------|-----------------|
| • Thickness (μm): | 100 | |
| | <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:

- Embossed, silicone-coated PE paper 145 g/m² with grey "THE CAST by 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 | 10 | |
| after 24 hours of application | 15 | |
| • Initial tack (N/25 mm): | 17 | 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 egress.
- Immediate and permanent adhesion, optimal after 24 hours of contact.
- Dry application.

USER'S INSTRUCTIONS:

- Recommended minimum 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).
- Conformable product, only suitable for rolling devices and rolling vehicles.
- 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.

OPERATING RECOMMENDATIONS:

- Recommendation (whenever possible): Sunlight and prolonged exposure to weathering and pollution may provoke ageing of the film⁽¹⁾. A vehicle wrapped with HX30CAONEB film must be protected from the sun and weather (rain, dew...) as often as possible: during the day, park in the shade; at night, park the car in a closed garage (otherwise, cover the vehicle with a loose protective cover).
- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case where your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.
- For more information on the application method of the HX30000 film, please refer to the Application Guide on the "Professionals" pages, category "Wrap vinyls", on our site www.hexis-graphics.com.

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 %.

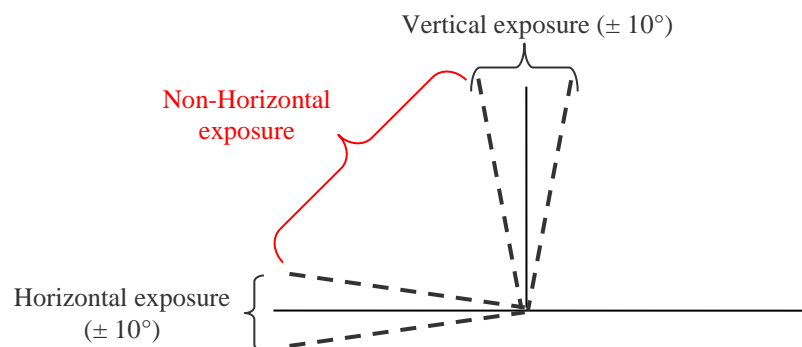
INDICATIVE DURABILITIES: (Central Europe Climate)

- Vertical outdoor exposure:
Without mechanical stress: up to 5 years.
With mechanical stress: depends on the type and frequency of the stresses.

- The durabilities indicated below are obtained specifically in vertical ($\pm 10^\circ$) outdoor exposure. Other positions accentuate climatic influences and an alteration in gloss, colour or even a slight dusting may appear. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heating provided by the engine.
- The pigmentation (colour) of the PVC affects the stability duration of the dyes. An estimate of such a durability is confirmed by accelerated UV ageing and natural exposure tests.
- To estimate the durabilities for non-vertical exposure, divide the durabilities by the factors given in the table below.

| Exposure | Dividing factor ⁽²⁾ Central European climate |
|--|--|
| Non-vertical exposure | 2 |
| Horizontal exposure ($\pm 10^\circ$) | 2.8 |

Chart: Dividing factor



- The real durability of a product depends on a large number of parameters, including, among others, the quality and preparation of the substrate, the exposure (environment, climate, exposure angle), the film maintenance, and the degree of pollution.

To find the indicative durabilities of the films for the country of exposure, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability in the "Professionals" pages of our site www.hexis-graphics.com.

NOTES:

(1) If an important degradation of the film (due to prolonged exposure to sunlight, weathering, polluting agents) appears (discolouration, powdering, tanning...), it must be immediately removed from the vehicle in order to avoid any damage to the underlying paintwork.

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.