



## TECHNICAL DATA SHEET - PROTECTIVE FILM

# BODYFENCEB

The *BODYFENCEB* is a clear self-adhesive film, specially designed for the protection of vehicle bodies. With its excellent shock-proofing properties, it protects vehicle paint against chipping, insects, scratches, minor dents, car wash brushes etc. Improved surface sliding. Gloss surface finish.

### **FILM FEATURES:**

|   | <u>Average values</u> | <u>Standards</u> |
|---|-----------------------|------------------|
| • Thickness (µm):                             | 155                   |                  |
| • Tensile strength (N/25 mm):                 | > 100                 | HEXNFX41021      |
| • Elongation at break (%):                    | > 350                 | HEXNFX41021      |
| • Shrinkage (mm):<br>after 168 hours at 70 °C | 0.2                   | HEXRET001        |

### **LINER:**

- Siliconed PET liner

### **ADHESIVE FEATURES:**

(Average values measured at data sheet editing time)

|  | <u>Average values</u> | <u>Standards</u> |
|--|-----------------------|------------------|
| • Peel on glass at 180° (N/25 mm):<br>after 20 minutes of application on glass | 18                    | HEXFTM001        |
| after 24 hours of application on glass   | 21                    |                  |
| • Initial tack (N/25 mm):  | 13                    | HEXFTM009        |
| • Release (N/25 mm):   | 0.2                   | HEXFTM003        |

### **ADHESIVE:**

- Solvent-based, acrylic adhesive
- Immediate and permanent adhesion, best after 24 hours of film application.

## **USER'S INSTRUCTIONS:**

- Minimum application temperature recommended: +10 °C (+50 °F). Preferably, apply at between +15 °C and +35 °C (+59 °F and +95 °F).
- Operating temperature range: from -40 °C to +90 °C (from -40 °F to 194 °F)
- Cut the film to the size of the part to be wrapped, allowing +10 cm (4 in).

*The remaining film must be stored on its original core (do not cut the rolls into several lengths, do not repackage the product); the roll must be closed immediately and properly (tape or roll-collars) after use in order to preserve all its qualities.*

- Wet application method
- Application on clean surfaces free of any traces of pollutants (dust, grease, wax, silicone...).

*Pay particular attention to the cleaning of angles and edges of the target surfaces to enable the film to adhere well to the surface.*

- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paint is not the original paintwork or/and is damaged, the application and the removal are at the installer's own judgement and own risk.

*Because of the composition of clear films, an application on light coloured surfaces (white...) can result in a difference between the colour of the protected and the non-protected areas.*

## **RECOMMENDATIONS FOR USE:**

- Conformable film developed for the protection of vehicle bodies, door sills, front and rear bumpers and painted rear view mirror cases, against chipping due to grit, insects.
- Excellent protection against vandalism (scratches)
- The improved surface sliding of the BODYFENCEB film enables you to reduce squeegee friction during application, but also to facilitate the film cleaning.
- To make application easier, HEXIS can provide you with a line of accessories consisting of different types of squeegees, from very soft to very hard ones (plastic or felt).
- For further information on the application method of the BODYFENCEB film, please refer to the Application Guide available on the "Professionals" pages, category "Solar and protective film" on our website at [www.hexis-graphics.com](http://www.hexis-graphics.com).

**STORAGE:**

- Shelf life (before application):

One year if stored at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F), at 50 % relative humidity, in its original packaging, in horizontal position, in a dust-free environment.

**DURABILITY:**

- The durability depends on the type of substrate, the surface preparation, exposure conditions and the frequency and method of cleaning.

It is estimated that, for example, south-facing exposure will divide the durability by two. The same applies to horizontal exposure. Furthermore, high temperatures (over 50 °C / 122 °F) or pollution noticeably reduce durability.

- Vertical exposure, central and northern European climate: up to 8 years (under normal road use conditions).

**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](http://www.hexis-graphics.com).