



## TECHNICAL DATA SHEET - MAGNETIC FILM MB800

850- $\mu\text{m}$ , matt, white, removable, semi-anisotropic, multilayered, magnetic film, with a pole width of 2.5 mm (0.1 in.), for use as removable signage on panels, vehicles or other metallic substrates.

### **PRODUCT FEATURES:**

	<u>Indicative values</u>
• Thickness of the magnetic film ( $\mu\text{m}$ ):	750
• Total thickness ( $\mu\text{m}$ ):	850
• Weight ( $\text{g}/\text{m}^2$ ):	2850
• Magnetic force ( $\text{g}/\text{cm}^3$ ):	50

### **USER'S INSTRUCTIONS:**

#### **VERY IMPORTANT**

The film applicator must ensure that the end-user is aware of the information and recommendations contained in this document.

If there is no written evidence acknowledging receipt of transmission to the end-user, the manufacturer will not be liable for any product defect (non-removability, paint damage, etc.).

#### **General advice:**

- The product may shrink from the start of use. It is essential to keep this in mind for any integration of the product in a visual communication project.
- The film can be cut using a cutter or scissors.
- For cleaning, only use water or a neutral detergent.
- As soon as the roll is removed from its packaging, the product must be stored in a flat position (sheets) or standing vertically (rolls) in order to prevent pressure marks caused by its own weight. The deformation may be irreversible.
- To remedy deformations, place the magnetic sheet on a flat metal sheet of at least 1-mm thickness for 24 to 48 hours at a temperature ranging from +30 °C to +40 °C (+86 °F to +104 °F).
- After cutting a roll and before marking, leave the magnetic sheet lying flat for 24 to 48 hours at a temperature of above 18 °C (64 °F). Put paper sheets between the layers to prevent the magnetic sheets from sticking to each other.

**Advice for vehicle markings:**

- It is recommended to wax the car body to be covered at least 48 hours before applying the magnetic film.
- Any new vehicle or newly painted vehicle must be dried for at least 90 days before being covered with magnetic film.
- The target surface and the back of the magnetic sheet must be clean and dry. It is recommended to carefully wipe down the magnetic sheet in order to remove any metallic particles that might have adhered to its surface.
- The size of the magnetic sheet must be such that it can be applied flat (without deformation of the product or bubble formation).
- The target surface must be free from peaks or dips because, due to the lack of sufficient contact, air could penetrate between the sheet and the substrate.
- **It is prohibited to apply this film to the vehicle bonnet.**
- Recommended application temperature (substrate, film, environment): +20 °C (+68 °F).
- Operating temperature range: -26 °C to 70 °C (-15 °F to +158 °F).
- The magnetic film and the car body must be cleaned frequently using a soft detergent in order to keep the film in a good shape.

*When washing the vehicle, the magnetic sheet must be removed, cleaned and dried before being applied again.*

- Variations in temperature will lead to water condensation between the magnetic film and the vehicle body. For this reason, every day the sheet must be removed, cleaned and applied again on a slightly offset area. Since areas exposed to sunlight age faster than covered areas, you will thus avoid too severe markings.
- Do not use the magnetic film on car bodies repaired with fillers.

**STORAGE:**

- Shelf life (before application):  
1 year when stored unopened in its original packaging at a temperature ranging from -26 °C to +70 °C (-15 °F to +158 °F).
- After opening, the film may be stored:
  - wound: with a winding radius of 12.7 mm (0.5 in.) (no risk of cracking) and at a temperature of 20 °C (68 °F) with the non-magnetic face on the outer side.
  - or in flat position: on a clean and smooth surface, the magnetic sides must not touch each other.

**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). You should check it regularly for these updates.