

## Magnetic foil, white coated, 0.85 mm

**Description:** Magnetic foil with a matte white finish

**Application** Suitable for short-term outdoor applications (6-12 months) for removable signs on metallic surfaces. Please be sure to observe our application instructions, especially when using on painted surfaces outdoors (e.g., vehicles).

**Printing:** The main area of application is to stick self-adhesive films on the white surface. For direct printing using screen printing as well as solvent and UV inks, Please observe the manufacturer's instructions (influence of the magnetic field on material feed and print head) and carry out compatibility tests. Due to the large number of printing systems available, the user is responsible for determining suitability for printing.

**Further processing:** Cutting using a milling machine, trimmer, knife, scissors, etc.

**Storage:** The magnetic film can be rolled with a minimum radius of 12 mm at 20 °C without causing breaks. After use, store the material in its original packaging and store the roll upright in a light-protected and dust-free environment at 50% relative humidity and 20 to 25 °C room temperature. The shelf life is 12 months.

**Technical data:**

Property	Value	Method
Magnetic foil thickness	750 µm	
Total material thickness	850 µm	
Material	Flexible magnetic foil laminated with monomeric PVC foil	
Backing	Treated with UV varnish	
Temperature range for use	-26 °C / +55 °C	
Maximum heat resistance (short term)	+66 °C	
Maximum energy density	0.65 - 0.75 MGOe	
Residual magnetism	1600–1900 G	
Coercivity	1200-1500 Oe	
Magnetic pull	40–42 g/cm <sup>2</sup>	
Shrinkage	≥ 0.8	
Surface tension	≥ 30 dyne/cm	
Outdoor durability	6–12 months	Depending on environmental conditions

**Notes:** The technical data refers to the unprocessed material. Our information do not exempt you from conducting your own tests to verify suitability for your application, particularly with regard to compatibility with the substrate. The data is provided for informational purposes only and does not constitute a legally binding guarantee of specific properties. The data sheet is based on manufacturer information; Alphaset accepts no liability. Subject to technical changes and typographical errors. Version April 2025MR