

FlexiMag

Spandex Magnetics Range

Technical Datasheet and Application Guide

Magnetic sheets are a mixture of barium and/or strontium ferrite powder and an elastic thermoplastic binder in a calendered design. The magnetic sheets can be processed with manual or machine cutting tools. They adhere to all ferromagnetic materials.



Technical Data	Thickness (μ) (1)	Weight (G/m ²)	Colour	Base Material	Magnetic Force (g/cm ²)	Shelf life (3)	Application temperature	Lamination	Product description
Brown adhesive 500μ	500	1850	Brown	Isotropic magnetic + adhesive	17	12 months, 20°C / 50% humidity	-30°C to +55°C	No	High tack water based acrylic PSA. Self-adhesive magnetic tape with strong adhesive for exhibition folding walls, pop-ups and displays.
Brown adhesive 800μ	800	3235	Brown	Isotropic magnetic + adhesive	30		-30°C to +55°C		High tack water based acrylic PSA. Self-adhesive magnetic tape with strong adhesive for exhibition folding walls, pop-ups and displays.
Brown adhesive 1500μ	1500	5525	Brown	Isotropic magnetic + adhesive	53		-10°C to +50°C		Self-adhesive magnetic tape with strong adhesive for exhibition folding walls, pop-ups and displays.
PET White Matt 300μ	300	900	White Matt	Anisotropic magnetic + PET Coating	7		-15°C to +30°C		Printable high quality magnetic for POS/POP signage. With a PET layer.
PET White Matt 500μ	500	1500	White Matt	Anisotropic magnetic + PET Coating	55		-15°C to +30°C		Printable high quality magnetic for POS/POP signage. With a PET layer.
White Matt 500μ	500	1767	White Matt	Isotropic magnetic + PVC Coating	15		-10°C to +50°C		Printable high quality magnetic for POS/POP signage.
White Matt 850μ	850	3084	White Matt	Isotropic magnetic + PVC Coating	36		-10°C to +50°C		Printable high quality magnetic for POS/POP signage.
PVC White Gloss 850μ	850	3414	White Gloss	Isotropic magnetic + PVC Coating	42		-10°C to +50°C		Printable Gloss high quality magnetic for POS/POP signage.
Brown 500μ	500	2168	Brown	Isotropic magnetic	24		-10°C to +50°C		Brown magnetic product for POS/POP signage.
Brown 750μ	750	3025	Brown	Isotropic magnetic	38		-20°C to +50°C		Brown magnetic product for POS/POP signage.
Ferro Brown adhesive 500μ	500	1850	Brown	Ferro + adhesive		12 months, 20°C / 50% humidity	-10°C to +50°C	No	Ferro sheeting with water based acrylic pressure-sensitive adhesive. Transforms surfaces into magnetic-receptive areas, providing flexibility in display options.
Ferro White 300μ	300	935	White Matt	Ferro + PVC Coating			-20°C to +50°C		Yes with a polymeric film.

(1) average (2) short-time exposure (3) in original packaging, at 20° C and 50% relative humidity (4) normal climate of Central Europe

PREPARATION GUIDELINE:

- Exposure to severe humidity, ultra-violet light or conditions found in tropical, subtropical or desert regions will often cause a rapid deterioration
- Do not cut with a laser.
- For optimum quality, please ensure that the media feed adjustment has been completed for this material.
- The contact surface must be clean, dust-free and dry before applying the magnetic sign.
- For the adhesive magnetics we recommend that you test the surface before application.
- Too thick layers of paint or filler spots on the contact surface of the vehicle significantly limit the adhesion of the magnetic foil.

APPLICATION GUIDELINE:

- Wear cotton gloves to avoid the transfer of fingerprints.
- Do not cover the entire surface of the magnetic foil with foil.
- Conditions of use on vehicles: remove the magnetic from the vehicle at least once a week, cleaning carefully with water.
- The magnetic sign to be applied must be flat and must not have "dog-ears", for example.
- Magnetic signs must be applied thoroughly over the entire surface and must not be placed around bends in the car body. Application to bonnets is not recommended.
- In the event of high outside temperatures and storms, and if the magnetic foil adheres to the car body for several days, it may remain with the car paint. For safety reasons, the magnetic plates must be removed from the car body when not in use. The magnetic sign should be removed once a day. For metallic paints, the contact surface must be cleaned daily and kept dry.
- Magnetic sheets are not suitable for application on full wrapped cars.
- Do not place it horizontally or on the engine hood.

MAINTENANCE GUIDELINE:

- Cleaning the magnetic signs should only be done with water and at least once a week; in case of high temperatures every two days. Do not use solvents or liquids containing solvents. Microfiber cloths are also unsuitable for cleaning, as they can attack the protective seal.
- Magnetic plates must be removed before each wash of the vehicle – whether manually or in the car wash.
- Ideally, you should treat the magnetic sheet on the adhesive side with silicone spray.
- If the magnetic foil can no longer be placed flat, we recommend that the foil be adhered to a steel sheet at least 1 mm thick at approx. 30°C-24-28 hours.
- It must be removed if the outside temperature exceeds 35°C.

REMOVABILITY GUIDELINE:

- Removed magnetic signs must always be stored flat. Folding the magnetic signs must be avoided. Remove the magnetic signs once a day, so the printed surface must be on the outside.

