

# About the handling of the ASLAN magnetic film and ferrous papers

The ASLAN magnetic film is a one-sided self-adhesive, magnetic and PVC free film that turns nearly every smooth substrate into a magnetic surface. ASLAN ferrous papers will mount safely to the magnetic film.

## Frequently asked questions

### What does magnetic mean?

Magnets are objects that magnetically attract or repel other certain objects. Our **MagneTack ASLAN MT 400** consists of ferrite magnets. These are permanent magnets that will not lose their magnetic field over time.

### How does the magnetic adhesion behave?

Due to the high amount of barium and strontium ferrite in our **MagneTack ASLAN MT 400**, the film has an especially high magnetic adhesion. The advantage: several layers of our PET **FerroPaper ASLAN FP 180** and PP **FerroPaper ASLAN FP 260** will mount safely to the magnetic film. Please pay attention that the magnetic adhesion of every ferrite magnet may decrease at high temperatures or in presence of stronger magnets.

### Will the magnetic film rust?

Our **MagneTack ASLAN MT 400** is developed for indoor applications only. Applied indoors, the film will not rust.

**1MagneTack ASLAN MT 400** serves as base film. It turns the wall into a magnetic surface and ensures that ferrous papers will mount safely to the base to create individual, frequently changing marketing messages using ASLAN ferrous papers.

**PET FerroPaper ASLAN FP 180** is made of polyester and is ideal for areas where temperature and/or humidity fluctuations are expected (e.g. shop windows). It has a white, digitally printable surface and is suitable for solvent, eco-solvent, latex and UV curable inks. Up to three layers of **PET FerroPaper ASLAN FP 180** will mount safely to the magnetic surface.

We recommend **PP FerroPaper ASLAN FP 260**, made from polypropylene, for any other indoor application. Its white surface is digitally printable using solvent, eco-solvent, latex or UV curable inks. Likewise FP 180, up to three layers of **PP FerroPaper ASLAN FP 260** will mount safely to ASLAN's magnetic film.

Ferrous papers are easy to reposition and simply removable. They can be cut and shaped with scissors, cutters, slicers and punching machines. The material can be rolled onto a core (diameter min. 1") at temperatures of 20 °C without breaking.

### How to proceed the products:

The film is to be applied dry. The substrate must be free of dust, grease and oil and should not be porous.

Ferrous films are developed for indoor applications only. Due to the variety of varnishes and different substrates of indoor walls, it is highly recommended to perform adhesion tests prior to the application, even if the film is equipped with a strong adhesive. To play safe, it is recommended to sand varnished and porous walls and to treat those with a primer.

There are no restrictions concerning the maximum length of applications. The film can be applied horizontally or vertically.

It is recommended to store the film for 24 hours in order to adjust its temperature to the room temperature. Prior to application, the film should be laid flat for at least one hour. Due to the material's high thickness, the film has to be applied edge on edge.

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## Which surfaces are suitable?

### The following surfaces are recommended:

- smooth and non-absorbent surfaces
- glass
- plexi glass
- acrylic glass
- steel (not powder-coated)
- metal (even varnished and galvanised)
- aluminium
- chipboards and wooden boards with double primer treatment
- melamine resin boards without formaldehyde emission
- bright paints without antibacterial, fungicide- or dirt-repellent additives
- plaster according to quality level Q4

### On the following surfaces, the adhesive is not able to develop its adhesive strength. Prior to application, these have to be grinded and treated with a primer:

- paints with antibacterial, fungicide- or dirt-repellent additives
- latex paints
- strongly pigmented, matt paints
- dark, matt paints
- surfaces with low surface tension ( $\leftarrow 38 \text{ mN/m}$ , low-energy surfaces)
- roughly absorbent surfaces
- plasterboards

### The following surfaces should be tested on surface tension:

- particle boards with vinyl or plastic coating
- plywood boards with special plastic coating
- plastic surfaces in general

### These surfaces are not recommended for applications:

- melamine resin boards with formaldehyde emission
- water-repellent surfaces
- MDF boards without top coating (due to dusty surface)
- antibacterial plastic coatings