Ferro Film

Magnetically receptive

Especially flexible ferrous film for placing magnets

This film containing iron turns every smooth substrate into a magnetically-receptive surface. It can be cut to any imaginable shape or size, is easy to apply and can be combined with other self-adhesive films.

Construction

Face film:	Polyethylene based ferrous film	
Thickness:	~ 410 µm (~ 16,1 mil)	
Adhesive:	Polyacrylic pressure sensitive adhesive	Square quantity: ~ 55 g/m²
Release liner:	Siliconpaper	Square weight: ~ 140 g/m²

Characteristics

Adhesive strength (ASTM D903):	Immediately: After 72 hours:	~ 10.5 N/25 mm ~ 17.5 N/25 mm
Dimensional stability:	Applied onto aluminium after 48 hours stored at 70° C (25 x 25 cm)	No shrinkage measurable
Chemical resistance:	In a preece test of 24 hours, the applied film is resistant to most petroleum-based oils, greases and aliphatic solvents, mild acids and mild alkalis.	
Temperature:	Application temperature: Service temperature range:	min 15 °C (59 °F) -30 °C (-22 °F) up to +80 °C (176 °F)
Combustibility:	Classified to Euroclass flame retardant standard DIN EN 13501-1	
Toy safety:	Classified to the standard for toy safety DIN EN 71- 3	

Processing

Application:

In general, the film can be applied dry. The substrate must be free of dust, grease and oil and should not be porous.
If the substrate is smooth, it can be applied wet, but the water must be squeegeed out very well to avoid the formation of bubbles later.

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.

Processing instruction:

To avoid tunneling, we recommend to store rolls tightly wrapped on a 3'' core and tape them up. This is also valid for combinations with most other self-adhesive films. Self-testing is highly recommended to avoid tunneling.

Visual irregularities on the film's surface can sporadically occur due to manufacturing methods, but do not limit the usability.

Storage life:

Before application the films can be stored up to 2 years from date of production. The film must be stored at room temperature (15-25 °C / 59-77 °F) and at a relative air humidity of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either standing vertically or in a purposely designed `hanging´ racks.

All technical data and advice is based on our experience and measured testing that we believe to be reliable. It remains the customer's responsibility to test the suitability of our products for the intended purpose.

The quality of our products is regularly examined, upgraded and developed. We take the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of our products in accordance with our latest knowledge.