

FerroSoft Print ASLAN FF 480

Printable, especially flexible ferrous film for placing magnets

This film containing iron turns every smooth substrate into a magnetically-receptive surface. Thanks to the special softness of the film it can be ideally printed with solvent, eco-solvent and UV printing systems as well as the latex printing system HP 500 and in screen printing, and lends itself perfectly to creative customisation.

It can be cut to any imaginable shape or size, is easy to apply and can be combined with other self-adhesive films. In combination with ASLAN's transparent blackboard and whiteboard films for instance, printed graphics can also be written on with chalk or whiteboard markers.

For further information or questions regarding special applications please contact our technical advisory service:
+49 2204 70880

Construction

Face film:	Polyethylene based ferrous film with PVC laminate (white, matt)	
Thickness:	~ 480 µm	
Adhesive:	Polyacrylic pressure sensitive adhesive	Square quantity: ~ 55 g/m ²
Release liner:	Embossed silicone paper, PE coated on both sides	Square weight: ~ 130 g/m ²

Characteristics

Adhesive strength (ASTM D903):	Immediately: After 72 hours:	~ 11.5 N/25 mm ~ 18 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:	ab 15 °C -30 °C bis +80 °C

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Processing

Application:	<p>The film is to be applied dry. The substrate must be free of dust, grease and oil and should not be porous.</p> <p>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.</p> <p>Further application tips for ferrous films are available for download in the user area of the ASLAN website.</p>
Printability:	<p>The material is printable with solvent, eco-solvent, UV curable as well as screen printing inks. It is also suited for the latex printing system HP 500. In case of insufficient drying of the printing inks, the film will be sodded and the adhesive negatively affected.</p>
Storage life:	<p>Before application the film can be stored for minimum 2 years from date of production. The film must be stored at room temperature (15-25 °C) and a relative humidity of the air of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either vertical standing or in for this purpose designed `hanging` racks.</p>
Processing instruction:	<p>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.</p>

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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.