Magnetic field shielding foil / shielding sheet
Aaronia MagnoShield® FLEX
Screening against static and low-frequency magnetic fields and interference of any kind

References / examples of proof:
- German military (technical observation), Hof, Germany
- Philips GmbH, Munich, Germany
- Panasonic, Bad Homburg, Germany
- Max-Planck Institute for nuclear physics, Heidelberg, Germany
- Robert Bosch GmbH, Magdeburg, Germany
- Technical University Hamburg, Germany
- Siemens AG, Munich, Germany
- University of Newcastle, United Kingdom
Specifications

Aaronia MagnoShield® FLEX

- Neatly for maximum shielding efficiency
- Shielding factor: 5-7
- Saturation flux density: approx. 0.8 Tesla
- Length per standard packaging unit: 1m (0.155m²), 10m (1.55m²), also available as cut good
- Lane width: 0.155m (155mm)
- Weight: approx. 1.1kg/m²
- Material thickness: 0.1mm
- Foldable, can be bent and folded without problems
- Very easy handling and cutting using a knife or scissors
- Easy to install due to high flexibility
- Magnetically conductive material: Nickel/iron alloy, so-called Mu metal, isotrope
- Noncorrosive
- Frost proof
- Paintable
- Colour: dark silver
- Also available as self-adhesive version

Aaronia MagnoShield® FLEX PLUS

- Self-adhesive version with very high adhesive strength
- Glue heat-resistant up to 120°C
- Neatly for maximum shielding efficiency
- Shielding factor: 5-7
- Saturation flux density: approx. 0.8 Tesla
- Length per standard packaging unit: 1m (0.091m²), 10m (0.91m²), 50m (4.55m²). Also available as cut good.
- Lane width: 0.091m (91mm)
- Weight: approx. 1.1kg/m²
- Material thickness: 0.1mm
- Foldable, can be bent and folded without problems
- Very easy handling and cutting using a knife or scissors
- Easy to install due to high flexibility
- Magnetically conductive material: Nickel/iron alloy, so-called Mu metal, isotrope
- Noncorrosive
- Frost proof
- Paintable
- Colour: dark silver

Transmission damping curves:

Graphs showing magnetic field of a transformer before and after shielding.
To shield large areas (for example, entire rooms or buildings) against magnetic fields, we recommend our industrial solution consisting of Aaronia MagnoShield® magnetic shielding panels.

Aaronia MagnoShield® FLEX is nealed and thus offers maximum shielding efficiency against magnetic fields compared to regular materials. Still, Aaronia MagnoShield® FLEX can be folded and bent, which is normally not possible with regular materials, as their shielding efficiency would degrade drastically.

For greater amounts of identically sized units, we recommend custom manufacture to your specifications, giving you a perfect magnetic shielding product. However, please be aware of the one-time, yet considerable tool cost.

For shielding large areas (like rooms and buildings), we recommend our industrial solution consisting of Aaronia MagnoShield® shielding panels.