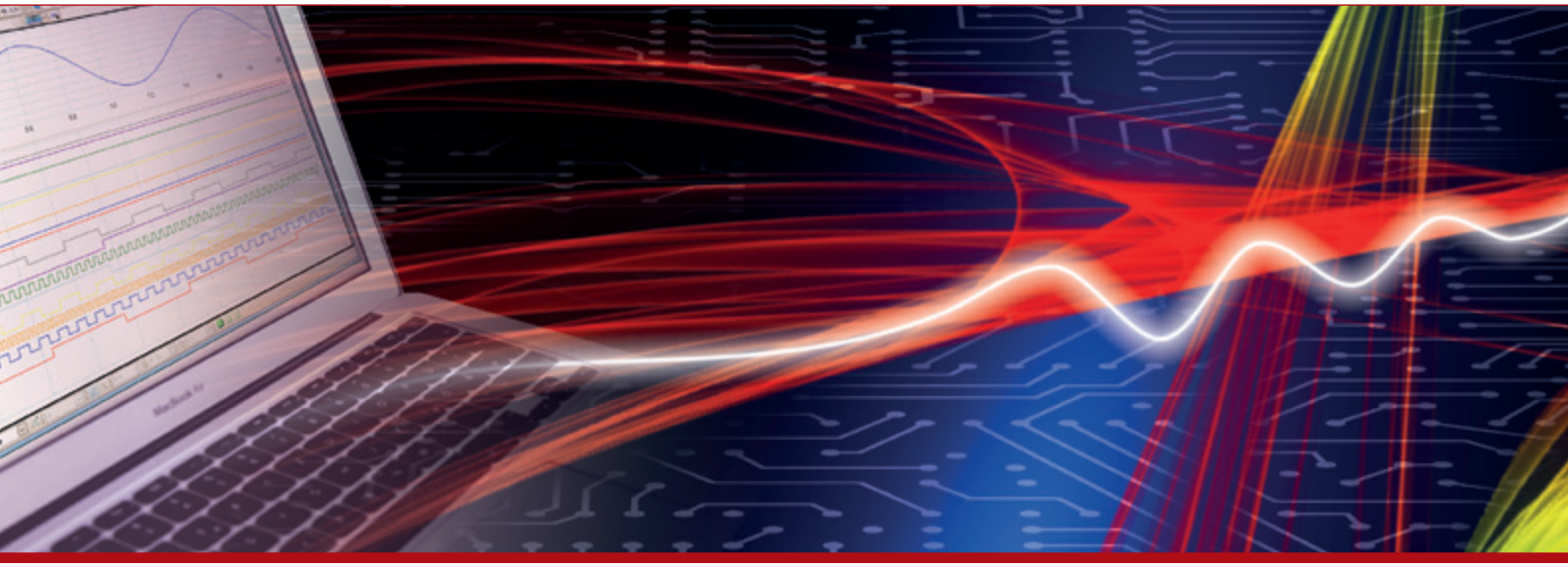
Product Datasheet - Technical Specifications



More information in our Web-Shop at ▸ **www.meilhaus.com**

Your contact

Technical and commercial sales, price information, quotations, demo/test equipment, consulting:

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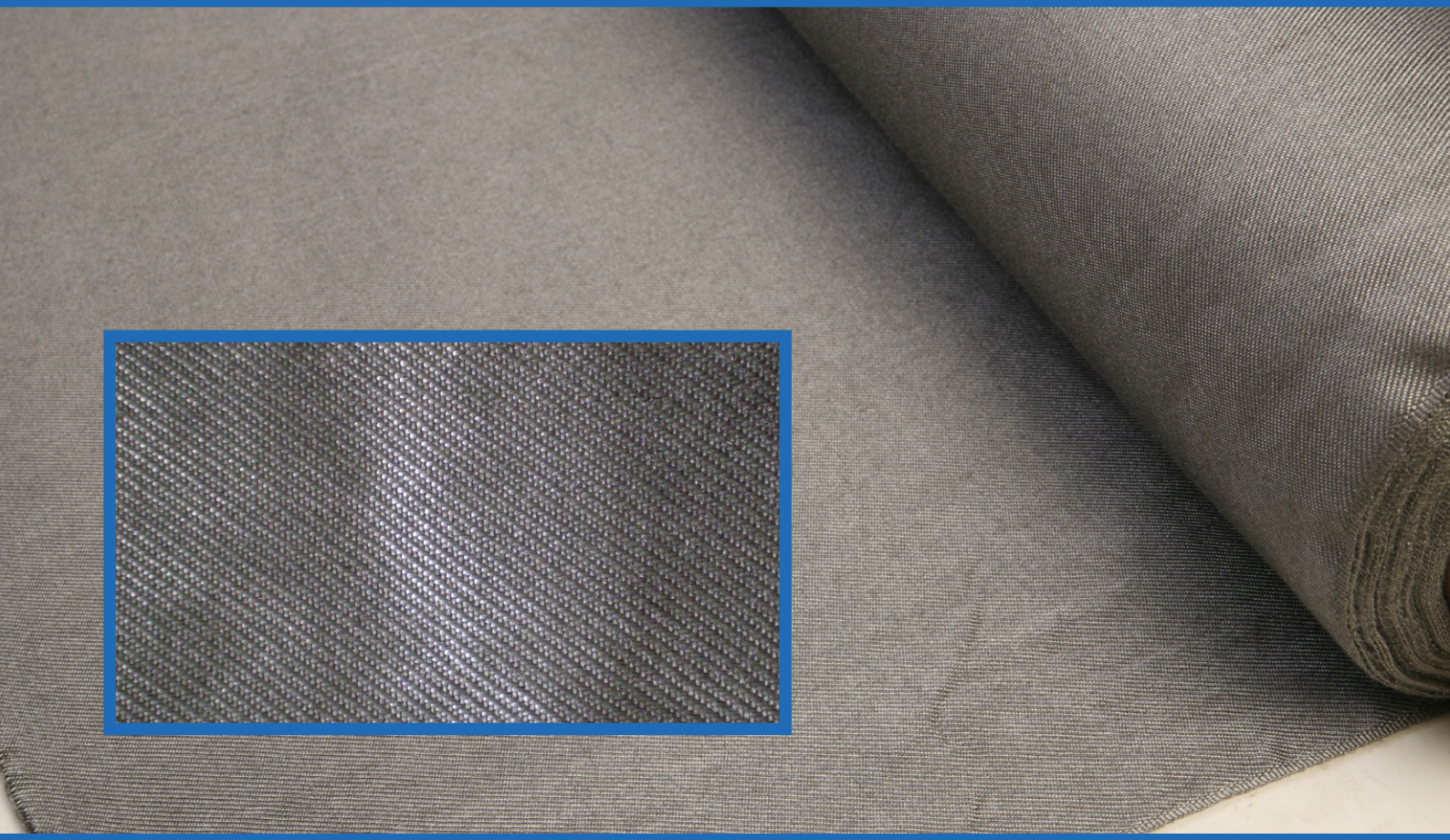
AARONIA X-STEEL

STAINLESS STEEL RFI SHIELDING

80dB

Military and industrial screening to meet even highest challenges



Highlights:

- Almost impossible to destroy
- Usable up to 600° Celsius
- Very high frequency range
- Permeable to air

AARONIA AG®
WWW.AARONIA.DE

MADE IN GERMANY

Specifications

Aaronia X-Steel Mesh

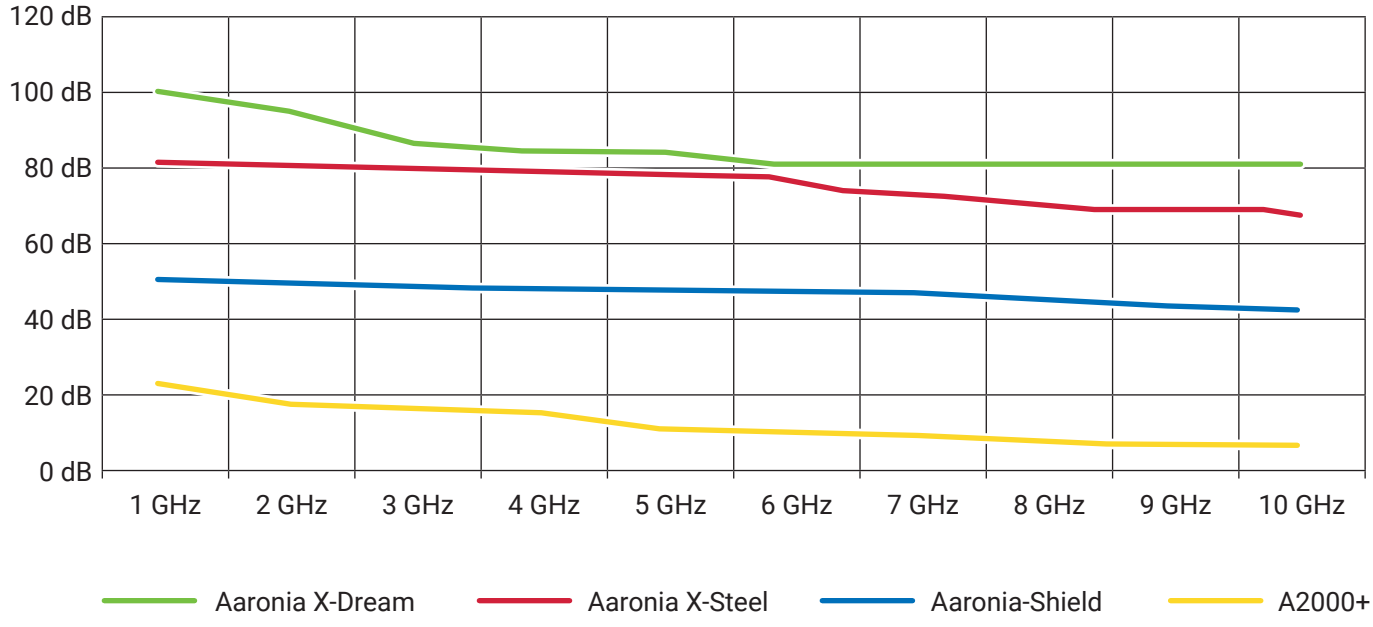
Shielding	RF & LF electric fields
Frequency range	1 MHz to 50 GHz
Damping (dB)	80 dB
Shielding material	Stainless steel
Carrier material	Stainless steel
Color	Stainless steel (silver)
Width	0,25 m or 1 m
Thickness	1 mm
Available Size	0,25 m² or 1 m²
Mesh size	approx. 0,1 mm (multiple layer)
Weight	approx. 1000 g/m²

- Almost impossible to destroy
- Perfectly fits for industrial or military applications
- Temperature range up to 600° Celsius
- Permeable to air
- Very easy handling even for the amateur
- Application examples: Radio & TV, TETRA, ISM434, LTE800, ISM868, GSM900, GSM1800, GSM1900, DECT, UMTS, WLAN...

Aaronias latest high end EMC screening Aaronia X-Steel. Made from 100% stainless steel fibre. Meets any industrial or military standard. Almost impossible to destroy. Very temperature stable for at least 600 degrees Celsius, does not rot, permeable to air. Perfectly suitable for EMC screening of air entrances, very high protective EMC clothings etc.

Protects against any kind of RF fields just like Aaronia Shield, but offers a 1000 fold better shielding-performance and protection especially in the very high GHz range. Aaronia X-Steel offers the worlds highest screening within the air permeable EMC screening materials.

Transmission damping graph 1 - 10 GHz



REFERENCES

Selected Aaronia Clients

AARONIA AG
WWW.AARONIA.DE

Government, Military, Aeronautic, Astronautic

- **NATO,** Belgium
- **Department of Defense (DoD),** USA
- **Department of Defence,** Australia
- **Airbus,** Germany
- **Boeing,** USA
- **German Armed Forces,** Germany
- **NASA,** USA
- **Lockheed Martin,** USA
- **Lufthansa,** Germany
- **German Aerospace Center (DLR),** Germany
- **Eurocontrol,** Belgium
- **EADS,** Germany
- **Drug Enforcement Administration (DEA),** USA
- **Federal Bureau of Investigation (FBI),** USA
- **Federal Criminal Police Office (BKA),** Germany
- **Federal Police,** Germany
- **Ministry of Defence,** Netherlands

Research/Development, Science and Universities

- **MIT - Physics Department,** USA
- **California State University,** USA
- **Indonesian Institute of Sience (LIPI),** Indonesia
- **Los Alamos National Laboratory (LANL),** USA
- **University of Bahrain,** Bahrain
- **University of Florida,** USA
- **University of Victoria,** Canada
- **University of Newcastle,** United Kingdom
- **University of Durham,** United Kingdom
- **University Strasbourg,** France
- **University of Sydney,** Australia
- **University of Athen,** Greece
- **University of Munich,** Germany
- **Technical University of Hamburg,** Germany
- **Max-Planck Inst. for Radio Astronomy,** Germany
- **Max-Planck Inst. for Nuclear Physics,** Germany
- **Research Centre Karlsruhe,** Germany

Industry

- **IBM,** Switzerland
- **Intel,** Germany
- **Shell Oil Company,** USA
- **ATI,** USA
- **Microsoft,** USA
- **Motorola,** Brazil
- **Audi,** Germany
- **BMW,** Germany
- **Daimler,** Germany
- **Volkswagen,** Germany
- **BASF,** Germany
- **Siemens AG,** Germany
- **Rohde & Schwarz,** Germany
- **Infineon,** Austria
- **Philips,** Germany
- **ThyssenKrupp,** Germany
- **EnBW (Energie Baden-Württemberg),** Germany
- **CNN,** USA
- **Duracell,** USA
- **German Telekom,** Germany
- **Bank of Canada,** Canada
- **NBC News,** USA
- **Sony,** Germany
- **Anritsu,** Germany
- **Hewlett-Packard,** Germany
- **Bosch,** Germany
- **Mercedes-Benz,** Austria
- **Osram,** Germany
- **DEKRA,** Germany
- **AMD,** Germany
- **Keysight,** China
- **Infineon Technologies,** Germany
- **Philips Semiconductors,** Germany
- **Hyundai Europe,** Germany
- **VIAVI,** Korea
- **Wilkinson Sword,** Germany
- **IBM Deutschland,** Germany
- **Nokia-Siemens Networks,** Germany

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