



Rev 1.4
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80dB Stainless steel RFI shielding Aaronia X-Steel

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



Made in Germany



Technical data

Aaronia X-Steel

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

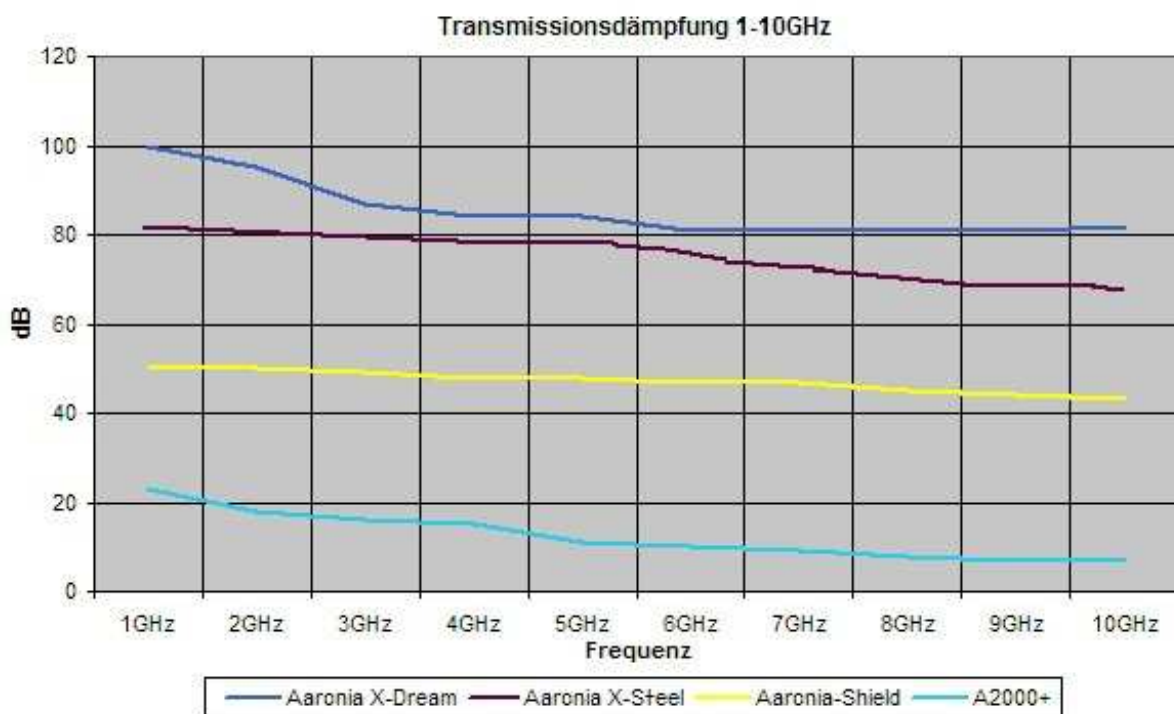
Aaronias latest high end EMC screening Aaronia X-Steel. Made from 100% stainless steel fibre.

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 chart 1-10GHz



References

User of Aaronia Antennas, Spectrum Analyzers and screening solutions (Examples)

Government, Military, aeronautic, astronautic

- ♦ NATO, Belgien
- ♦ Boeing, USA
- ♦ Airbus, Hamburg
- ♦ Bund (Bundeswehr), Leer
- ♦ Bundeswehr (Technische Aufklärung), Hof
- ♦ Lufthansa, Hamburg
- ♦ DLR (Deutsches Zentrum für Luft- und Raumfahrt, Stuttgart)
- ♦ Eurocontrol (Flugüberwachung), Belgien
- ♦ Australian Government Department of Defence, Australien
- ♦ EADS (European Aeronautic Defence & Space Company) GmbH, Ulm
- ♦ Institut für Luft- und Raumfahrtmedizin, Köln
- ♦ Deutscher Wetterdienst, Tauche
- ♦ Polizeipräsidium, Bonn
- ♦ Landesamt für Umweltschutz Sachsen-Anhalt, Halle
- ♦ Zentrale Polizeitechnische Dienste, NRW
- ♦ Bundesamt für Verfassungsschutz, Köln
- ♦ BEV (Bundesamt für Eich- und Vermessungswesen)

Research/Development, Science and Universitys

- ♦ Deutsches Forschungszentrum für Künstliche Intelligenz, Kaiserslautern
- ♦ Universität Freiburg
- ♦ Indonesien Institute of Sience, Indonesien
- ♦ Max-Planck-Institut für Polymerforschung, Mainz
- ♦ Los Alamos National Labratory, USA
- ♦ University of Bahrain, Bahrain
- ♦ University of Florida, USA
- ♦ Universität Erlangen, Erlangen
- ♦ Universität Hannover, Hannover
- ♦ University of Newcastle, Großbritannien
- ♦ Universität Strasbourg, Frankreich
- ♦ Universität Frankfurt, Frankfurt
- ♦ Uni München – Fakultät für Physik, Garching
- ♦ Technische Universität Hamburg, Hamburg
- ♦ Max-Planck Institut für Radioastronomie, Bad Münstereifel
- ♦ Max-Planck-Institut für Quantenoptik, Garching
- ♦ Max-Planck-Institut für Kernphysik, Heidelberg
- ♦ Max-Planck-Institut für Eisenforschung, Düsseldorf
- ♦ Forschungszentrum Karlsruhe, Karlsruhe

Industry

- ♦ Shell Oil Company, USA
- ♦ ATI, USA
- ♦ Fedex, USA
- ♦ Walt Disney, Kalifornien, USA
- ♦ Agilent Technologies Co. Ltd., China
- ♦ Motorola, Brasilien
- ♦ IBM, Schweiz
- ♦ Audi AG, Neckarsulm
- ♦ BMW, München
- ♦ Daimler Chrysler AG, Bremen
- ♦ BASF, Ludwigshafen
- ♦ Deutsche Bahn, Berlin
- ♦ Deutsche Telekom, Weiden
- ♦ Siemens AG, Erlangen
- ♦ Rohde & Schwarz, München
- ♦ Infineon, Österreich
- ♦ Philips Technologie GmbH, Aachen
- ♦ ThyssenKrupp, Stuttgart
- ♦ EnBW, Stuttgart
- ♦ RTL Television, Köln
- ♦ Pro Sieben – SAT 1, Unterföhring
- ♦ Channel 6, Großbritannien
- ♦ WDR, Köln
- ♦ NDR, Hamburg
- ♦ SWR, Baden-Baden
- ♦ Bayerischer Rundfunk, München
- ♦ Carl-Zeiss-Jena GmbH, Jena
- ♦ Anritsu GmbH, Düsseldorf
- ♦ Hewlett Packard, Dornach
- ♦ Robert Bosch GmbH, Plochingen
- ♦ Mercedes Benz, Österreich
- ♦ EnBW Kernkraftwerk GmbH, Neckarwestheim
- ♦ AMD, Dresden
- ♦ Infineon Technologies, Regensburg
- ♦ Intel GmbH, Feldkirchen
- ♦ Philips Semiconductors, Nürnberg
- ♦ Hyundai Europe, Rüsselsheim
- ♦ Saarschmiede GmbH, Völklingen
- ♦ Wilkinson Sword, Solingen
- ♦ IBM Deutschland, Stuttgart
- ♦ Vattenfall, Berlin
- ♦ Fraport, Frankfurt

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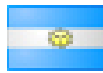
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