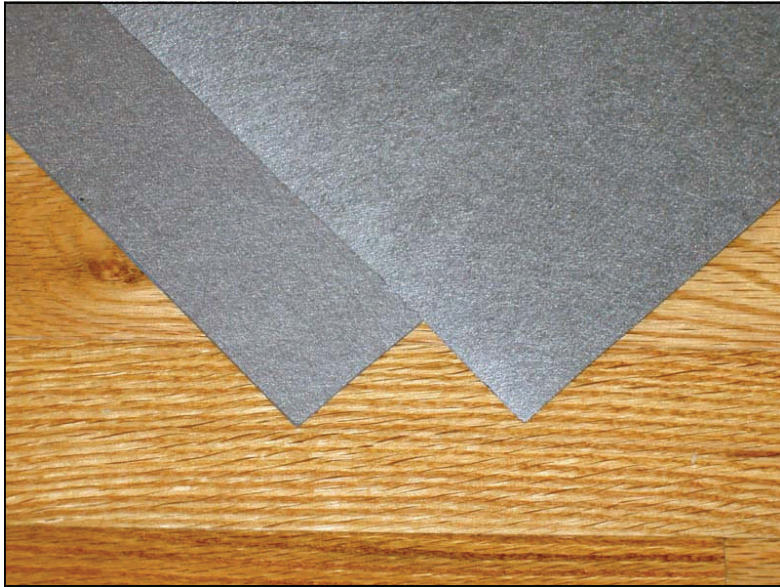




FlexiShield[®]

High Performance RF
Isolation Shielding



FlexiShield[®] is a simple solution for effective RF signal attenuation in many commercial applications. It provides -100 dB RF isolation from 100 MHz to 1 GHz and more than -70 dB to 18GHz.. Very light, thin, flexible, fire, wear and tear resistant, it can be applied directly to studs, standard sheetrock and other structures using simple and inexpensive methods. The product is well suited to both new and retrofit construction. It provides a good degree of isolation typically seen with metal sheathing. It offers significant savings in labor, shipping and construction costs and needs virtually no physical space unlike competitive materials.

FlexiShield[®] does not require specialized tools or techniques to apply. This flexible product comes in rolls. Special shapes can be fabricated for custom applications. It can be modified to your specific requirements.

Typical applications:

- Medical uses, including RF shielding for hospital instrumentation, MRI installations and Intensive Care Units.
- Security uses, including RF shielding to prevent the use of cellular telephones and other communication devices (including covert ones) in selected areas.
- Construction of RF quiet zones for scientific and developmental research.
- Isolation of noisy RF sources to protect sensors and receivers.
- Isolation of cell tower transmitters to protect building inhabitants.

AXONICS

International Marketing

Phone: +1 845-228-8924

Fax: +1 914-652-2489

info@axonics.net
www.axonics.net

Construction:

Single layer flexible panel consisting of isolation ground plane material.

Size:

Typically supplied in rolls of 36 or 54 in (91 cm or 137 cm).
Can be cut to customer requirements.

Color:

Copper (both sides).

Mechanical properties:

Substrate	Polyester Nonwoven
Metal	Nickel over copper
Basis Weight	12-14 oz/yard ²
Thickness	0.05 in (0.0127 cm)
Weight	Typically less than 0.1 lbs/ft ² (0.45 kg/m ²)
Thermal Stability	Range of -40°F to 160°F
Elongation MD	9% (per ASTM D5035
Tensile Strength	7.5 /18.5 lb/in (CMD / MD)
Hazardous Material	None

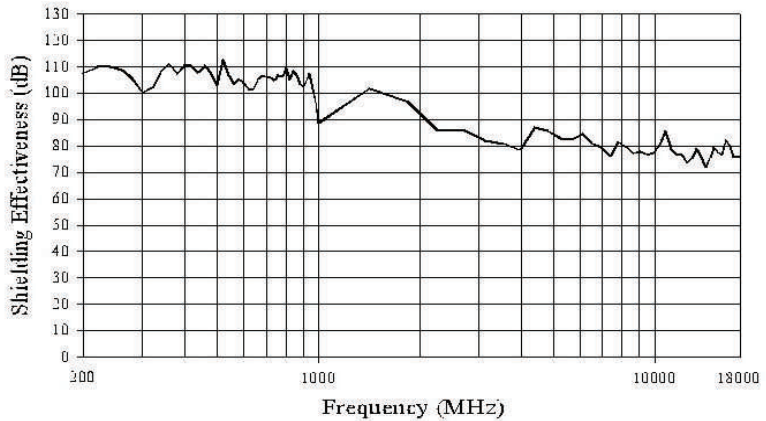
Performance:

-100 dB RF isolation from 100 MHz to 1Ghz
Greater than -70 dB RF isolation from 1Ghz to over 18Ghz
Nail, screw and staple punctures have no effect on signal attenuation

Flammability:

Can be made to meet non flammable spec UL 94VTM-0 upon customer request

Shielding Effectiveness per MIL-STD-285 (Mod.)



RF Isolation measured in admittance tunnel.
Performances are stated in either polarization.



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