



Xalon RF X5000 – RF / EMI Shielding Solutions

Part I: General

1.1 Work Included:

The work consists of furnishing all labor, materials, accessories and equipment necessary to cover all areas shown on the drawings and specified herein with Xalon RF/EMI Panels.

1.2 Delivery and Storage:

Store this product in unopened cartons in a clean, cool, dry interior space. Cartons and product must be protected against marring, water, dirt or damage during delivery and storage.

Part II: Product

2.1 Product and Manufacturer:

Xalon RF Shielding System:
 21100 Morewood Pkwy
 Rocky River, OH Ohio 44116
 Phone: 1-833-XalonRF (833) 925-6673
 Website: www.xalonrf.com
 Email: sales@xalonrf.com

2.1.1 Geometric Shape: Custom, Rectangular

2.1.2 Size & Thickness:

Max size (4' x 8'), Thickness (1/2", 1" or 2")

2.1.3 Core: Fiberglass (6-7#)

2.1.4 Surface Finish:

Aluminum Foil, Pebble Acoustical Face, Anti-bacterial Mold Interwoven Polyester Textile, Copper

2.1.5 Color: Silver, White, Natural White, Copper

2.1.6 Application: Interior, Exterior

2.1.6a Warranty: 1 Year Standard

2.1.7 Edge Construction: Laminated Aluminum Foil (5 mil) Conductive Adhesive (2 mil) Tape

2.1.7a Edge Shape: Natural

2.1.8 Acoustical Performance:

NRC of Anechoic Termination – 1.00
 NRC of Fabric in front of Anechoic Termination – 1.00

2.1.9 Incombustibility:

Class A per ASTM E84 – Smoke Development = 0, Flame Spread = 0

2.1.10 Shielding Effectiveness:

Tested per IEEE-299: 2006

Frequency	Attenuation (dB)
10 KHz, Magnetic Field	30
100KHz, Magnetic Field	50
200 KHz, Electric Field	70
1 MHz, Electrical Field	80
10 MHz, Electrical Field	100
100 MHz, Plane Wave	90
400 MHz, Plane Wave	90
1 GHz, Microwave	85
10 GHz, Microwave	80
18 GHz, Microwave	75
40 GHz, Microwave	75

2.1.11 Joint Sealing Tape:

Aluminum (5 mil) Conductive Adhesive (2 mil) Tape

2.1.12 R Value: (1/2 " - 2.24, 1" - 4.4, 2" - 8.9)

Part III: Execution

3.1 Installation

3.1.1 Xalon Shielding Panels:

Shall be located and spaced as detailed on reflected ceiling plans and/or detailed on the interior elevation drawings and as indicated on room finish schedule.

3.1.2 Suspension Provision:

Standard 15/16" Ceiling Grid, Screws, Adhesive, PVC track, See Xalon drawings for more information

3.1.3 Attachment Method:

Standard 15/16" Ceiling Grid, Grid Clips, Screws, Adhesive, PVC track, See Xalon drawings for more information

3.1.4 Workmanship: The panel system shall be installed only by an approved contractor.

All work shall be completed in a workman like manner. All panels shall be properly installed and left in a clean, sanitary condition. Contractor shall remove and dispose of shipping containers and debris.