



**Xalon RF / EMI Shielding Systems**  
 21100 Morewood Pkwy  
 Rocky River, OH 44116  
 Phone: 833.925.6673  
 sales@xalonrf.com  
 www.xalonrf.com

## Xalon RF X250 – 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: (833) 925.6673 Website: [www.xalonrf.com](http://www.xalonrf.com)  
 Email: [sales@xalonrf.com](mailto:sales@xalonrf.com)

**2.1.1 Geometric Shape:** Custom, Rectangular

#### **2.1.2 Size & Thickness:**

Max size (4' x 8'), Thickness ¼"

**2.1.3 Core:** ¼" Fiberglass

#### **2.1.4 Surface Finish:**

2 mil aluminum foil one side & 5 mil aluminum foil one side

**2.1.5 Color:** Silver

**2.1.6 Application:** Interior

**2.1.66a Warranty:** 1 Year Standard on workmanship

**2.1.7 Edge Construction:** Fiberglass

**2.1.7a Edge Shape:** Natural

**2.1.7 Product Weight per sheet:** ¼" 8 lbs.

**2.1.8 Acoustical Performance:** NRC.65  
 Fiberglass

**2.1.9 Incombustibility:** Class A Per ASTM E84

#### **2.1.10 X250 Shielding Effectiveness:**

**As Installed Butt Jointed & Seam Taped with 4" wide EC tape  
 Tested per IEEE-299: 2006**

10 KHz, Magnetic Field	≥40
100 KHz, Magnetic Field	≥60
10 KHz, Electric Field	≥85
100 KHz, Electrical Field	≥85
10 MHz, Electrical Field	≥90
100 MHz, Plane Wave	≥92
400 MHz, Plane Wave	≥92
1 GHz, Plane Wave	≥90
10 GHz, Plane Wave	≥80
18 GHz, Plane Wave	≥75
40 GHz, Plane Wave	≥75

#### **2.1.11 Joint Sealing Tape:**

5 mil Aluminum with Electrically Conductive Tape

#### **2.1.12 R Value: 1**

#### **2.1.13 Recycled Content:**

Documented 61% recycled content comprised of 27% post-consumer and 37% pre consumer

### 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:**

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. No special clothing or equipment is needed