



## Xalon RF X9000T – RF / EMI Shielded Tegular Ceiling Panel

### **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 Ceiling 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](http://www.xalonrf.com)  
 Email: [sales@xalonrf.com](mailto:sales@xalonrf.com)

**2.1.1 Geometric Shape:** Square or Rectangular

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

Typical Sizes (23.75" x 23.75" or 23.75" x 47.75"),  
 Thickness 1/2" (13mm)

**2.1.3 Weight:** Bare 2' x 2' Panel 3.51 lbs., Bare 2' x 4' panel 7.06 lbs. Tegular Acoustic Panel 0.3125 lb/ft<sup>2</sup>

**2.1.4 Surface Finish:** White Tegular 1/2" 100% Polyester Textile laminated to the face

**2.1.5 Color:** White facing down towards interior

**2.1.6 Application:** Interior suspended ceiling. Can be easily tethered for seismic requirements

**2.1.6a Warranty:** 1 Year Standard

**2.1.7 Edge Construction:** 1/2" Aluminum sandwich with 1/2" white 100% textile polyester wrapped board laminated to the face

**2.1.8 Acoustical Performance:** NRC – 0.45

#### **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	40
100KHz, Magnetic Field	60
10 KHz, Electric Field	60
200 KHz, Electric Field	60
10 MHz, Electrical Field	60
100 MHz, Plane Wave	60
400 MHz, Plane Wave	60
1 GHz, Microwave	60
10 GHz, Microwave	60

#### **2.1.11 Panel Penetration Sealing Tape:**

Xalon ST tape, 5 mil Aluminum with Electrically Conductive PSA

**2.1.12 R Value:** 1/2" + 1/2"- 1.50

### **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:**

Commercial 15/16" ceiling grid with beryllium copper fingerstock attached with ECPSA

##### **3.1.3 Attachment Method:**

Set in to commercial 15/16" ceiling grid with beryllium copper fingerstock attached, Clips may be required.

**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.