



## Xalon RF X8000T – RF / EMI Shielded Tegular Ceiling Panel

### **Part I: General**

#### **1.1 Included:**

Xalon RF/EMI Ceiling Panel. 2' x 2' or 2' x 4'  
 Tegular or Standard (white faced only)  
 RF Shielded Gaskets  
 Copper Tape

#### **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 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" & 23.75" x 47.75"),  
 Approx. Thickness or Tegular Panel 1-1/8"

**2.1.3 Weight:** Tegular Panel 5.375 & 10.75 lbs.  
 (Approx. 2x2 & 2x4)

**2.1.4 Surface Finish:** White Tegular 1", 100% Polyester Textile laminated to the face with Copper Taper Perimeter

**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:** Aluminum with 1" white polyester laminated to the face & Copper Foil Taped

**2.1.8 Acoustical Performance:** NRC – 0.70

#### **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	Average 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 ST5 tape, 5 mil Aluminum with Electrically Conductive PSA

**2.1.12 R Value:** Tegular 4.3

### **Part III: Execution**

#### **3.1 Installation**

Ceiling border panel size cuts and other cutouts done by the ceiling contractor, in the field, using 2' x 4', X8000T-KIT panels.

##### **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:**

RF sealed commercial 15/16" ceiling grid with RF shielded gasketing or copper fingerstock attached.

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

Set in place in to commercial 15/16" ceiling grid. Clips may be required.

**3.1.4 Workmanship:** The panel system is designed to be installed by a local ceiling contractor.