

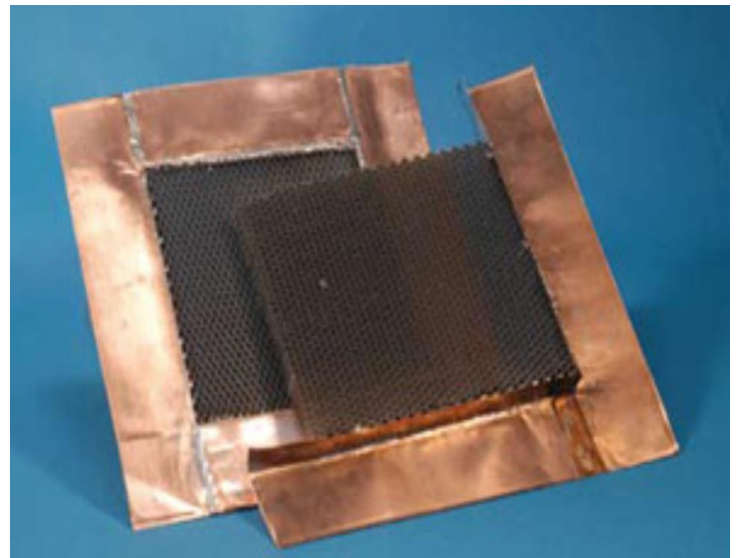
## Copper Foil

Many EMI problems can be solved easily by the use of conductive foils and conductive sheets. Some of the most commonly used materials are Mu-copper foil, reinforced Amucor foil and highly conductive textile.

All of these materials can be produced with or without (conductive) self-adhesive and an optional insulation layer.

## APPLICATIONS

- Data Centers
- Server Rooms
- EMC test room
- Computer rooms
- Medical exam room
- MRI, EEG, EMG y EVP
- Physiotherapy rooms
- Radar protection/ Airport
- TEMPEST places
- EMC Military Shielding
- Shielding of Conference Rooms
- Industrial spying / security rooms
- Intelligence agencies buildings



## BENEFITS

- Protection against Solar Storms
- Eavesdropping, Sabotage, etc.
- Military NEMP/EMP Shelter Rooms
- Worthwhile / It occupies only a few space
- Light weight / high floor load
- Installed with local workforce
- Standard finishing possible with pladur
- Delivered with 2 years warranty
- Without maintenance need



## TECHNICAL DATA

| Test                       | Typical Value     | Typical Value (Metric) | Test Method |
|----------------------------|-------------------|------------------------|-------------|
| <b>Product Thickness</b>   | 3.0 mils          | 0.08 mm                | PSTC-133    |
| <b>Peel Adhesion A</b>     | 36 oz/in          | 10.0 N/25 mm           | PSTC-101    |
| <b>Shear Adhesion</b>      | >24 hrs @ 2.2 psi | >24 hrs @ 15.2 kPa     | PSTC-107    |
| <b>Tensile Strength</b>    | 36 lb/in          | 162.7 N/25 mm          | PSTC-131    |
| <b>Elongation</b>          | 6%                | 6%                     | PSTC-131    |
| <b>Service Temperature</b> | -40 to 250°F      | -40 to 121°C           |             |

\* excluding liner

A-20 minute dwell

## SHIELDING EFFECTIVENESS

### Shielding Effectiveness: Frequency Attenuation MIL-STD-285M:

|                |          |
|----------------|----------|
| <b>100 KHz</b> | 141 db   |
| <b>1 Mhz</b>   | 137 db   |
| <b>10 Mhz</b>  | 114.5 db |
| <b>50 Mhz</b>  | 96 db    |
| <b>100 Mhz</b> | 101.5 db |
| <b>200 Mhz</b> | 111 db   |
| <b>400 Mhz</b> | 102 db   |
| <b>800 Mhz</b> | >128 db  |
| <b>900 Mhz</b> | >127 db  |
| <b>1 Ghz</b>   | >116 db  |
| <b>5 Ghz</b>   | 92 db    |
| <b>10 Ghz</b>  | 80 db    |
| <b>17 Ghz</b>  | 87 db    |

### Resistance

**MIL-STD-202C Method 307:** 0.002 ohms/in<sup>2</sup>

## CONTACT

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