

# ProfiShield



## ProfiShield

ProfiShield is a uniquely engineered, lightweight and easy-to-build shielding system that effectively protects against Electromagnetic Interference (EMI) and electromagnetic threats. This innovative solution is constructed using special joints, mounting frames and composite panels, together with specially designed EMI-shielded components such as doors, windows, air vent panels, filters and waveguides.

ProfiShield can be tailored to meet user's specific shielding needs including varied sizes, ranging from small compartments to big and complex rooms.

### Advantages

- Lightweight shielding system
- Variety of interior and exterior finishes for selection
- Quick installation and relocation
- Low maintenance magnetic shielded door
- Easy to retrofit into existing and new buildings

### Applications

- Protection against Electromagnetic Interference (EMI)
  - Shielded room for EMC and RF measurement
  - Shielded rack and cabinet to protect electronic equipment
- Protection against electromagnetic threats (such as HEMP, HPM, HIRF & TEMPEST)\* for
  - Meeting/Conference room
  - Computer/Data server room
  - Military command centre

### Shielding Specifications

| Field      | Attenuation                                 |
|------------|---|
| Magnetic   | 50dB at 100kHz<br>100dB at 10MHz            |
| Electric   | 100dB at 10MHz - 300MHz                     |
| Plane Wave | 80dB at 300MHz - 1GHz                       |
| Microwave  | 50dB at 1GHz - 3GHz<br>40dB at 3GHz - 10GHz |

\* HEMP : High Altitude Electromagnetic Pulse  
HPM : High Power Microwaves  
HIRF : High Intensity Radiated Field  
TEMPEST : Electronic Eavesdropping



Shielded hatch for ceiling



Shielded window



Shielded air vent



Shielded door



Product of  TRONIC AB

(PS-B3)

Authorised Distributor for Emp-tronic AB – ProfiShield

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