

## Topical Surface ESD Ground Plates

For Use with [UltraTech II](#), [Circuit CG](#) ESD Carpet Tiles and [ElectraShield](#) ESD Control Carpet Treatment.



**Overview:** This topical ESD flooring ground plate is 5/16 of an inch thick and measures roughly 10.5" x 8.5". It is manufactured from Titanium ESD flooring ([specifications](#)). The top surface has an electrical resistance of  $> 1.0E04$  and  $< 1.0E06$  (1 meg ohm). Beneath the Titanium we have installed a piece of highly conductive ESD flooring vinyl with a conductivity of a few ohms in resistance. A snap has been installed thru the Titanium and the high conductivity flooring. This snap is designed for use with a ground cord with an inline 1 megohm resistor. This cord terminates with a #10 ring terminal that may be attached to the center screw of an AC Electrical face plate cover or screwed onto another location such as a structural steel building support column or

grounded metal racks etc. Heavy Duty Velcro tabs have been applied to the underside on 2 edges of the pad. This allows the unit to be removed and reapplied should your conditions warrant.

### For ElectraShield ESD Carpet Treatment

Apply the Ground Plate **PRIOR** to Application of ElectraShield!

**NOTE: do not apply the ElectraShield to the Velcro tabs!**





1) Remove liner from the Velcro Tabs located on the back of the pad




2) Place pad firmly on carpet and 3) step on each side to secure the Velcro Tab to the Carpet

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 <p>4) Separate the Velcro tabs from the bottom portion of the pad leaving the bottom portion of the Velcro attached to the carpet</p> <p>5) Mask the Velcro or <i>carefully</i> apply the ElectraShield between the tabs and on to the entire area.</p>	 <p>6) Reattach the ground plate to the Velcro Tabs.</p> <p>7) Attach the ground cord to the snap located in the center of the ground plate.</p> <p>8) Terminate the Ground Cord to the center screw of an AC outlet face plate cover or structural steel support column.</p>
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### For ESD Carpet

	<ol style="list-style-type: none"> <li>1) Remove liner from back side of the Velcro pads located on the back of the plate</li> <li>2) Step on each side to secure the Velcro Tabs to the Carpet</li> <li>3) Attach ground cord to the snap located in the center of the ground plate</li> <li>4) Attach termination of Ground Cord to the center screw of an AC outlet face plate cover.</li> </ol>
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