

# TITANIUM ESD FLOORING

## Specifications

Tiles: 24" X 24" (60 square feet per carton)

Sheet Vinyl: 4' 6" X 66' long (297 square feet per roll)

Interlocking: 37.60 SF per Carton (15 Tiles per box)



**PRODUCT OVERVIEW:** Titanium features a case hardened top wear surface, is slip resistant, extremely easy to maintain and features **ULTIMATE** Static Control Properties that Easily conform to the latest most stringent standards for static control.

Titanium is a pure vinyl devoid of cheap clay fillers and binders making it truly resilient and flexible (not brittle like many esd flooring materials). Hence, Titanium may be flash covered up walls and handles heavy loading without breaking or delaminating.

Titanium features a Full Surface Static Conductive Backing allowing sheet floor installations over existing epoxy, VCT, limited porosity concrete, painted surfaces, sealed concrete and more using the URAS Adhesive [Peel & Stick Method](#). Titanium sheet vinyl may also be installed in a permanent manor using [UZIN KE 2000 SL](#) (a white high strength conductive adhesive).

### APPLICATIONS: Mission Critical Static Control

Surface Resistivity Point to Point per ESD S 7.1	>1.0E04 <1.0E06 (esd conductive)
Electrical Resistance to Ground per ESD S 7.1	>1.0E04 <1.0E06 (esd conductive)
Electrical Resistance per ANSI/ESD S20.20-2007, 97.1	< 3.5E07
Tribo charging characteristics per ESD 97.2	< 10 Volts (< 100 volts is passing)
Flooring Radiant Panel: NFPA 253: Critical Radiant Flux	0.73 W/cm <sup>2</sup> , Class 1
Flooring Radiant Panel: NBSIR 75-950: Critical Radiant Flux	Pass, Class 1
Flooring Radiant Panel: ASTM-648: Critical Radiant Flux	0.73 W/cm <sup>2</sup> , Class 1
Smoke Density, ASTM E-662; NFPA 258; Average optical density in burning / smoldering mode	<450



Residual Indentation LF-475A	0.002 average
Abrasive Wear, Tabor H-18 wheel, 5,000 cycles, 1,000 gm. Weight.	1.1% loss of weight
Abrasive Wear, Tabor H-18 wheel, 1,000 gm weight to wear layer penetration (end point)	>20,000 cycles, <2.0% loss of weight
Static coefficient of friction, ASTM D-2047-03, James Test average wet, dry leather	.60 approx.
Static load limit DIN 16961.2	>1,000 PSI
Charge decay time per FTMS 4046-101c	< .17 seconds
Roll Size and Weight	Size" 4' 6" x 66' x .80 thick (297 sf per roll). Weight per Roll: Approximately 268 pounds
Tile Size, Weight and Carton Quantity	Size: 2' x 2' x .080 thick. Availability: 15 tiles to a carton (60 sf / pc). Per carton weight: Approximately 50 pounds.
Welding Rod: ESD Welding rod: .167 (4.2 mm) thick - 330 Linear feet per spool	
ElectraFloor Titanium Series meets or exceeds the requirements of Federal Specifications LF-475a and SST-312b for flexibility, dimensional stability, and resistance to reagents and residual indentation. Meets latest standard of S2020: ANSI/ESD STM97.1-2006 Resistance to ground in combination with Operator / Heel Grounders / ESD Flooring.	

Part Numbers: Ti481, Ti482, Ti483. Ti480		
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