

# TITANIUM ESD FLOORING

## Specifications

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

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



**PRODUCT OVERVIEW:** Titanium features a case hardened top wear surface, is slip resistant, extremely easy to maintain and features ULTIMATE Static Control Properties that allows it to 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).

Surface Resistivity Point to Point per ANSI-ESD STM S 7.1	<1.0E06
Electrical Resistance to Ground per ANSI-ESD STM S 7.1	<1.0E06
Electrical Resistance per ANSI/ESD S20.20-2014, 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' Thickness: .080 thick Square Feet per roll: 297 Weight per roll: Approximately 268 pounds
Tile Size and Weight	Glue Down Tiles: 2' x 2' x .080 thick. Availability: 15 tiles to a carton (60 sf per carton). Weight per carton: 50 pounds.
Welding Rod (for sheet vinyl): 0.167 (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. <b>ElectraFloor Titanium Series Meets ANSI ESD S2020-2021 Product Qualification and Compliance Verification.</b>	

Part Numbers: Ti481, Ti482, Ti483. Ti480		
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