



Conductive Diamond Plate Anti Fatigue

In a rigorous environment, exceptional comfort, dimensional stability and durability are the hallmarks of a successful anti-fatigue mat. Our Conductive Diamond Plate products are manufactured from specially formulated proprietary vinyl compounds. Conductive Diamond Plate mats should be used with ground cords placed every 10' or less. Conductive mats should be kept clean and grease-free. It is not recommended to roll carts or chairs on a conductive mat. These materials are only available through the Rhino Mats and Matting division Ranco Industries.

- Surface shall be permanently fused to a closed cell polymeric sponge base, comprised of polyvinyl chloride, acrylonitrile butadiene rubber and chloroprene.
- Sponge base shall have a skin surface to block moisture and resist most oils and industrial chemicals.
- Edges of sponge base shall be beveled to within 1" of the top surface to effectively taper the edges of the surface to the floor and create a visibly bonded incline around the perimeter of the mat, and seal the edge of the beveled sponge base to the surface.

Physical Properties and Specifications

Characteristic	Test Method	Result
Surface Configuration		Deckplate
Color		Black
Resistivity	ESD-S7.1 1994	< 10 ⁶ ohms
Tensile Strength	ASTM D-412	1000 lbs. / sq. in.
Elongation	ASTM D-412	100%
Puncture Resistance	ASTM D-1046(Section 19)	36.5 Pounds
Taber Abrasion Resistance (Surface)	ASTM D-4060, 1000 Grams, 1000 Revs	.025 grams
Flammability	Motor Vehicle Safety Standard No. 302(49CFR 541.302)	Self-Extinguishing (A)
Surface Hardness (Shore A)	ASTM D-2240	90+/5
Graves Tear Strength:	ASTM D-1004	
Longitudinal		39.3 Pounds
Transitional		40.9 Pounds
Wear Surface Thickness	Calipers	5/32 inches
Ozone Exposure	ASTM-D518 Under 10X magnification	7 days – no change 50PpHM at 40°C
Weathering	7 days – No visual change	ASTM D-750
Slip Resistance of Composites:		
On Tile Floor	Scales	1.8 Pounds Force
On Carpeted Surface		3.8 Pounds Force
Density (Sponge)		7 lbs. / ft. ³
25% Compression Resistance (PSI)	ASTM D-1056	5.0 – 9.0
50% Compression Set (%)	ASTM D-1056	40
Overall Thickness	Gauge Gauge	9/16 inches Heavy Duty 15/16 inches Super Duty
Weight	1.4 lbs. sq. ft. 2.0 lbs. sq. ft.	Heavy Duty Super Duty