

CONDUCTIVE DIAMOND PLATE SPECIFICATIONS

The Diamond Plate Anti-fatigue mat from Rhino mats is an American Standard manufactured in the United States with quality American made componets.

Conductive Diamond Plate Anti-Fatigue mats by Rhino are the benchmark for comparison to all other indudtrial anti-fatigue mats. This strong performer suffers no deterioration from weathering and ozone exposure and is self-extinguishing when tested in accordance with FMVSS-302. These mats offer excellent durability following exposure to many organic and inorganic industrial chemicals.

Rhino's Diamond Plate Anti-Fatigue far exceeds the competition with it's closed cell polymeric sponge base that produces the incredibly soft and resilient rebound properties needed in a rigorous manufacturing enviroment.

This industrial standard is available in two thicknesses 9/16" and 1" thick, Standard Stock sizes, 2'X3' & 3'X5', custom lengths from 24", 36", 48", 60", 72", & 96" widths

PHYSICAL PROPERTIES AND SPECIFICATIONS

<u>Characteristic</u>	<u>Test Method</u>	<u>Result</u>
Surface Resistivity	ESD-57.L2001	10 ⁶ OHMS
Tensile Strength	ASTM D-412	850 lbs./sq. in.
Elongation	ASTM D-412	154%
Puncture Resistance	ASTM D-1048 (Section 19)	39.2 Pounds
Taber Abrasion Resistance (Surface)	ASTM D-4060 1000 Grams, 1000 Revs CS-17 wheel .3 grams lost	
Flammability	Motor Vehicle Safety Standard No. 302 (49CFR 571.302)	Self-Extinguishing (A)
Surface Hardness (Shore A)	ASTM D-2240	88
Graves Tear Strength:	ASTM D-1004	
Longitudinal		40 Pounds
Wear Surface Thickness	Calipers	5/32" inches
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	9/16" inch 15/16 inch
Weight	1.2 lbs. sq. ft. 1.4 lbs. sq. ft.	1/2 inch 7/8 inch

CHEMICAL RESISTANCE (Surface)

Chemical

Butyl Alcohol
Carbon Tetrachloride
Chromic Acid (dilute)
Permanganate (dilute)
Gasoline
Hydrogen Peroxide (dilute)
Most acids
Most Alkalis

Ranking

Good
Good
Great
Good
Great
Good
Good
Good

Chemical

Nitric Acid (dilute)
Nitric Acid 30%
Potassium

Sodium Perboate
Sodium Hydroxide
Sulfuric Acid (dilute)
Water