

# MULTI-FLEX

## ANTI-FATIGUE

In a rigorous environment, exceptional comfort, dimensional stability and durability are the hallmarks of a successful anti-fatigue mat. Our Multi-Flex products are manufactured from specially formulated proprietary low static formulation vinyl compounds. Multi-Flex mattings are a superior value with puncture resistance that exceeds comparable rubber products by up to 90%. This increased spike resistance helps eliminate premature failure due to exposure to casters, heels, and other sharp objects. These materials are only available through the Rhino Mats and Matting division of Ranco Industries.

- Flexible polyvinylchloride 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 1-1/4" of the top surface to effectively taper the edges of the surface to the floor and create a visibly molded incline around the perimeter of the mat, and seal the edge of the beveled sponge base to the surface.

## PHYSICAL PROPERTIES AND SPECIFICATIONS

<u>Characteristic</u>	<u>Test Method</u>	<u>Result</u>
Tensile Strength	ASTM D-412	1000 lbs./sq. in.
Elongation	ASTM D-412	300%
Puncture Resistance	ASTM D-1048 (Section 19)	32.2 Pounds
Taber Abrasion Resistance (Surface)	ASTM D-4060 1000 Grams, 1000 Revs H-22 wheel	.22 grams lost
Flammability	Motor Vehicle Safety Standard No. 302 (49CFR 571.302)	Self-Extinguishing (A)
Surface Hardness (Shore A)	ASTM D-2240	90+/-5
Graves Tear Strength: Longitudinal Transitional	ASTM D-1004	17.64 Pounds 21.83 Pounds
Wear Surface Thickness	Calipers	0.075 inches
Slip Resistance of Composites: On Tile Floor On Carpeted Surface	Scales	1.8 Pounds Force 3.8 Pounds Force
Density (Sponge)		7 lbs.ft. <sup>3</sup>
25% Compression Resistance (PSI)	ASTM D-1056	5.0 - 9.0
50% Compression Set (%)	ASTM D-1056	40
Overall Thickness	Gauge	7/8" inch Super Duty
Weight	1.5 lbs. sq. ft.	Super Duty

## CHEMICAL RESISTANCE (Surface)

<u>Chemical</u>	<u>Ranking</u>	<u>Chemical</u>	<u>Ranking</u>
Butyl Alcohol	Good	Nitric Acid (dilute)	Excellent
Carbon Tetrachloride	Good	Nitric Acid 30%	Excellent
Chromic Acid (dilute)	Great	Potassium Permanganate (dilute)	Good
Gasoline	Great	Sodium Perboate	Good
Hydrogen Peroxide (dilute)	Good	Sodium Hydroxide	Good
Most acids	Good	Sulfuric Acid (dilute)	Good
Most Alkalis	Good	Water	Excellent

## LIMITED WARRANTY MULTI-FLEX ANTI-FATIGUE MATS

**WARRANTIES:** Ranco Industries warrants that the Ranco/Rhino products will conform in all material respects to the description of the products contained herein and will be free from defects in material and workmanship for a period of 3 years from the date of shipment (the "Warranty Period"). **There are no warranties which extend beyond these warranties, and Rhino expressly disclaims all other warranties, whether express or implied, or arising from operation of law, including but not limited to, any warranty or merchantability or fitness for any particular purpose.**

**WARRANTIES REMEDY:** In the event that any Ranco Industries product fails to comply with this warranty, customer may return product to Ranco Industries, freight prepaid. Customer's sole and exclusive remedy for the non-conformance of any product with the product description or for defects in materials or workmanship in the product within the warranty period shall be, at Ranco's election, (I) Ranco's repair or correction of the non-conforming or defective product, or (II) Ranco's furnishing customer, with charge and FOB Houston, TX, with a replacement for the non-conforming or defective product, (III) Ranco's reimbursement of customer for the purchase price of the non-conforming or defective product. Ranco shall not be liable for defects caused by abuse or misuse of its products. Except for Ranco's direct costs in repairing, correcting, or replacing any non-conforming or defective product, Ranco shall not be liable for any other expense connected with the repair, correction, or replacement of any product or for any special, exemplary, incidental, or consequential damages.