



Ultrasoft Diamond-Plate No. 414

Spec Sheet

INTENDED USES

For use in all dry areas. Designed for ultimate worker comfort, UltraSoft Diamond-Plate has a double-thick Nitricell® sponge base for extra buoyancy and resilience. It is a full 15/16" thick.

DETAILS AND COMPOSITION

Compound	5/32" thick vinyl surface bonded to a 3/4" thick Nitricell® sponge base. Nitricell® is a unique blend of Nitrile rubber and PVC.	
Edges	Safety beveled. This is a <u>true safety bevel</u> because unlike other manufacturers, we machine bevel the sponge before we adhere it to the Diamond-Plate surface. This process allows the sponge to gradually taper down to the floor. Then the surface is permanently adhered to the sponge so that the mat has no choice but to lay flat.	
Thickness	15/16"	
Overall Weight	1.5 lbs. sq. ft	
Stock Sizes	2' x 3' 3' x 5' (Black and Black/Yellow are in Stock)	
Non-Stock Sizes	Rolls	2' x 75' 3' x 75' 4' x 75' 5' x 75' 6' x 75'
	Cut Lengths	2', 3', 4', 5 and 6' widths up to 75' in length
	Custom	We frequently customize mats to fit large or unusually shaped areas. Please call for a quote.
Colors	Black, Gray, Black with Yellow borders, Black with Chevron Borders	

TEST SPECIFICATIONS AND RESULTS

Property	Test	Results
Flammability (surface)	MVSS 302	"A" Rating. It has a flame spread of < 1.6 and is labeled self-extinguishing.
Flammability (sponge)	MIL-P12420C	Burned for < 5 seconds
Impact Absorption	ASTM F355	Peak Deceleration 8.43 g Duration, Msec 126.0
Coefficient of Friction	ASTM F1677	Dry: COF = .68 Wet: COF = .17
Compression Deflection	ASTM D575	Deflection @35 psi, mm=13.20
Abrasion Resistance	ASTM C501	Wear Index, 1/g=173
Tabor Abrasion	Federal Standard 191	
	1000g, CS-17 wheel, 1000 revs	.2797g lost (-.81%)
	1000g, CS-17 wheel, 2000 revs	.5436g lost (-1.58%)
	1000g, CS-22 wheel, 1000 revs	1.498g lost (-4.33%)
	1000g, CS-22 wheel, 2000 revs	2.617g lost (-7.55%)
Tensile Strength	ASTM D412	Longitudinal 1259 psi Transverse 1074 psi
Elongation	ASTM D412	Longitudinal 165% Transverse 151%
Tear Strength	ASTM D412	Longitudinal 14.3 lbs. Transverse 9.5 lbs
Density (sponge)	Wearwell Requirements	> 7 lbs./ft ³

Accelerated Compression	ASTM D395-98	< 20%
Ozone Resistance	ASTM D-1171	Excellent
Temperature Range	ASTM D1056	-10 to 120 degrees Fahrenheit

CHEMICAL RESISTANCE (SURFACE)

Chemical	Ranking	Chemical	Ranking
Acetic Acid 30%	Fair	Nitric Acid (dilute)	Good
Butyl Alcohol	Fair	Nitric Acid 30%	Great
Carbon Tetrachloride	Fair	Potassium Permanganate (dilute)	Good
Chromic Acid (dilute)	Good	Sodium Perborate	Good
Hydrogen Peroxide (dilute)	Good	Sodium Hydroxide	Fair
Most acids	Good	Sulfuric Acid (dilute)	Great
Most alkalis	Good	Water	Great

Note: Please call for additional results, technical assistance or to request a small sample for testing.

CLEANING RECOMMENDATIONS

Sweep regularly or dry mop the surface. These mats can be wet mopped with mild soap or detergent. For best results use a detergent like Ivory Liquid with a ph between 4.0 – 9.0.

HOW TO REACH US

For more information or to place an order, call 1-800-264-3030. To view this product in color, please visit our website, www.wearwell.com.

LIMITED WARRANTY

The materials and workmanship used in the construction of the UltraSoft Diamond-Plate Mats are guaranteed under normal conditions of usage for four years after the date of shipment.

If the purchaser discovers a defect in the materials or workmanship of a Wearwell® mat within the warranted time after the date of shipment, Tennessee Mat Company, Inc. will, at its own discretion, either i.) repair the nonconforming product, ii.) replace the product with the same or substantially similar product, or iii.) reimburse the buyer for the pro-rated purchase price of the nonconforming product.

Tennessee Mat Company reserves the right to inspect the non-conforming mat(s) before repairing, replacing or reimbursing the buyer. Therefore, at the preference of Tennessee Mat Company, Inc., the mats must be returned or available for on-site inspection. Modifying or installing the mat may void the warranty. The decision to void this warranty will be made at the sole discretion of Tennessee Mat Company.

To the maximum extent permitted by law, Tennessee Mat Company's liability shall not exceed the purchase price of the product; Tennessee Mat Company shall not be liable for any incidental, consequential, special, and indirect or punitive damages (including without limitation, damages from lost business, profits or goodwill).

available at:



800.531.3746

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