

**831 - DIAMOND SWITCHBOARD MATTING** is a non-conductive floor matting made from a PVC compound, designed to provide insulation for the worker. The mat prevents the worker from being grounded, thereby eliminating the possibility of electrical shock. The diamond plate top surface provides increased traction and is easy to sweep clean.

**Material:** PVC

**Features and Benefits:**

- Insulated matting engineered to protect workers from electric shock
- Electrically Insulative Type 2 PVC compound
- Diamond Plate top surface - Added traction and easy to sweep clean
- Class 2 Di-electric Strength: 30,000 volts
- Proof test of 20,000 volts
- Recommended maximum use voltage: 17,000
- Each square foot of this matting is tested in conformance with ANSI/ASTM D-178 specifications
- ASTM D-178 printed on underside of mat

**⚠ WARNING:** This product can expose you to chemicals including di-2-ethylhexyl phthalate and/or diisononyl phthalate which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





MODEL: 831

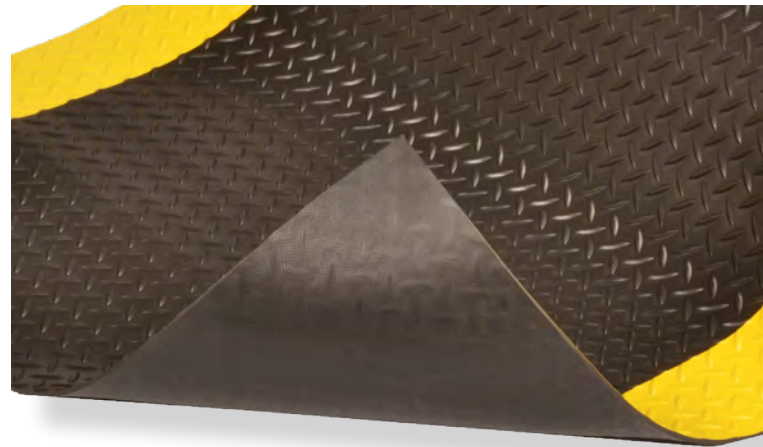
## SPECIFICATIONS

**APPLICATIONS**

- Transformers
- Switchgear
- Distribution Boards
- Generators

Roll Sizes	2'x75', 3'x75', 4'x75'
Thickness	1/4"
Cut Lengths	2', 3', and 4' widths (up to 75' long)
Colors	 Black  Black/Yellow* <small>*only in 3' widths</small>

<b>Performance:</b>	Good	Better	Best	Superior
Wear Resistance	██████████			██████
Anti-fatigue Performance	██████	██████	██████	██████
Slip Resistance	██████████			██████



Anti-Slip



Cut Lengths



Floor Protection



Non-Conductive

# TESTING DATA

Test	Test Description	Results
Electrical Proof Test - ASTM D178	Min. 20,000V for 1 Minute	Pass
Dielectric Breakdown Test - ASTM D149	Min. 30,000V	Pass
O3 Resistance Test Method B ASTM D178	Any Visual Degradation	Pass
Tensile Strength - ASTM D412 DIE C	Min. 700 PSI	1362 PSI
Elongation - ASTM D412 DIE C	Min. 250%	280%
Tension Set - ASTM D412 DIE B	Max. 0.50 In.	0.459 In.
Moisture Absorption - ASTM D570	Max. Increase 3%	0.0965%
Accelerated Aging - ASTM D573	Min. 50% of Original Tensile Strength	1327 PSI (97%)
Flame Resistance - ASTM D178	Max. 0.5 In. / 12.7 mm After 30 sec.	0.154 mm/s
Oil Resistance - ASTM D471	Max. Volume Increase 4%	1.209%

\*Testing performed by an independent test laboratory.

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