

# High Voltage



## HIGH VOLTAGE

Unlike ESD or conductive matting designed to protect objects, switchboard (also known as non-conductive) products protect personnel from potentially fatal shock.

Recognize the need for non-conductive matting if

- Team members are exposed to high-voltage electricity
- The work area has high-voltage signs that indicate electrical danger
- The goal, first and foremost, is to ensure the safety of personnel

# STANDARDS 101

## **Industry Standard: ANSI/ASTM D178-01**

**Type I:** made using any properly vulcanized elastomer

**Type II:** made using any properly vulcanized elastomer AND has additional properties such as Ozone Resistance, Flame Resistance, and Oil Resistance

**Class 2 and 3** defines the dielectric strength: the higher the class, the greater the dielectric strength.

## **Navy/Defense Dept. Standard: MIL. SPEC. 15562-G**

**Type I:** Sheet, smooth surface

**Type II:** Mat, runner type, smooth surface

**Type III:** Mat, runner type, raised diamond-pattern surface

## **701**

Conforms to ANSI/ASTM D178-01, Type II, Class 2 standards

## **702**

- 1/4" thickness conforms to ANSI/ASTM D178-01, Type II, Class 2
- 3/8" thickness conforms to ANSI/ASTM D178-01, Type II, Class 3

## **710**

Conforms to Mil. Spec. 15562-G, Type I

## **711**

Conforms to Mil. Spec. 15562-G Amend 3, Type II

## **712**

Conforms to Mil. Spec. 15562-G Amend 3, Type III

## **720**

Conforms to ANSI/ASTM D178-01, Type II, Class 2

### **GET TECHNICAL**

Visit

[www.wearwell.com/resources/](http://www.wearwell.com/resources/)  
for chemical-resistance,  
installation, maintenance,  
and warranty information for  
Wearwell products.



# 720 Double Duty Switchboard Corrugated Mat



Switchboard matting has a singular purpose: to protect personnel from life-threatening electrical shocks. Often referred to as "insulative" or "non-conductive" matting, these products insulate workers from high voltages that can lead to serious bodily harm or even death.



While insulating standing workers from high-voltage shock, Double Duty Switchboard also provides standing relief. The premium Nitricell® sponge base is ideal for workers who stand for extended periods of time — such as those who work in many military, mining, and industrial facilities.



ITEM NUMBER	SIZE	THICKNESS	COLOR
720.58x3x5	3' x 5'	5/8"	BK, BYL
720.58x3x75	3' x 75'	5/8"	BK, BYL

Available in cuts up to 75'



### SPECIFICATIONS

**Compound:** Non-Conductive Vinyl over Nitricell® Sponge

**Edges:** Lay-Flat Bevel

**Warranty:** 1 Year



# 701 Diamond-Plate Switchboard Matting



Featuring a tough but attractive diamond-plate surface design, Diamond-Plate Switchboard Matting is an essential safety product for mining, munitions, utility, and other heavy-industry facilities — any industrial space where potentially lethal shocks can be encountered.



ITEM NUMBER	SIZE	THICKNESS	COLOR
701.14x2x75BK	2' x 75'	1/4"	BK
701.14x3x75BK	3' x 75'	1/4"	BK
701.14x4x75BK	4' x 75'	1/4"	BK

Available in cuts up to 75'



### SPECIFICATIONS

**Compound:** Non-Conductive Vinyl

**Edges:** Square

**Warranty:** 1 year



# 702 Corrugated Switchboard Matting



Corrugated Switchboard Matting is an essential safety product for a wide range of industries such as mining, munitions, utilities, and heavy industry — anywhere the danger of lethal shock is prevalent. Features a tough corrugated surface for extra traction.



ITEM NUMBER	SIZE	THICKNESS	COLOR
702.14x2x75BK	2' x 75'	1/4"	BK
702.14x3x75	3' x 75'	1/4"	BK, BYL
702.14x4x75BK	4' x 75'	1/4"	BK
702.38x3x75BK	3' x 75'	3/8"	BK

Available in cuts up to 75'



### SPECIFICATIONS

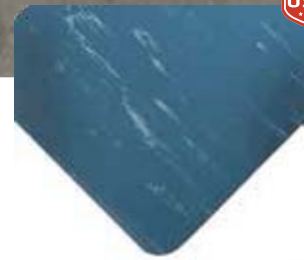
**Compound:** Non-Conductive Vinyl

**Edges:** Square

**Warranty:** 1 Year



# 710 Marbleized Military Switchboard Matting



Specially engineered for military applications, Marbleized Military Switchboard Matting meets Mil. Spec. 15562-G, Type I. Designed for permanent flooring installation, this non-conductive mat can be secured in place by using any vinyl-mastic adhesive.

For installations of multiple mats that require seaming, Wearwell offers compatible welding thread. When installing several widths of Marbleized Military Switchboard Matting side-by-side, it is important to seal the seams to ensure reliable and consistent insulation. For best results, professional floor installers are recommended.

ITEM NUMBER	SIZE	THICKNESS	COLOR
710.18x3x75M	3' x 75'	1/8"	BL, GN
710.18x50	50'	1/8"	BL, GN
710.18x150	150'	1/8"	BL, GN
710.THREADROLL	300'	1/8"	BL, GN

Available in cuts up to 75'

## SPECIFICATIONS

Compound: Non-Conductive Vinyl

Edges: Square

Warranty: 1 Year



# 711 Smooth Military Switchboard Matting



Designed to meet strict Mil. Spec 15562-F Amend. 3, Type II military standards, Smooth Military Switchboard Matting has a dielectric strength of 30,000 volts and a recommended usage up to 3,000 volts. Also passes federal flammability standard 501.

ITEM NUMBER	SIZE	THICKNESS	COLOR
711.18x3x75BK	3' x 75'	1/8"	BK

Available in cuts up to 75'

## SPECIFICATIONS

Compound: Non-Conductive PVC

Edges: Square

Warranty: 1 Year



# 712 Diamond-Plate Military Switchboard



Diamond-Plate Military Switchboard meets Mil. Spec 15562-F Amend. 3, Type III military standards. Perfect for use around high-voltage apparatuses and in heavily trafficked areas, the Diamond-Plate pattern offers additional traction and abrasion resistance.

ITEM NUMBER	SIZE	THICKNESS	COLOR
712.316x3x75GY	3' x 75'	3/16"	GY

Available in cuts up to 75'

## SPECIFICATIONS

Compound: Non-Conductive PVC

Edges: Square

Warranty: 1 Year

