



## Switchboard Matting

THE MAT KING switchboard matting meets and exceeds the parameters of ASTM D-178-01. This specification covers the accepted testing standards of rubber insulating matting for use as a floor covering for the protection of workers. ASTM D-178-01 specifies rubber only, not PVC or plastic.

Switchboard matting is rubber matting designed to insulate workers in high voltage areas. It is used as floor covering to prevent shock around high voltage electrical apparatuses, fuse boxes, switchgear, control panels and heavy machinery.

ASTM-D-178-01 is the updated Standard Specification for Rubber insulating matting. Nowhere in the specification is vinyl or plastic matting covered. The absence of vinyl/plastic is legitimate as this polymer has drawbacks in safety applications.

### Drawbacks of Vinyl/Plastic:

1.) Limited temperature range - below 32°F, plastic becomes stiff and brittle.

Above 120°F it begins to soften. Loss of insulation properties becomes a distinct possibility.

2.) Slippery when wet - any liquid (water, oil, grease) will create a slippery surface.  
**CLASS**

This is the ASTM specification denoting thickness and dielectric test voltage. THE MAT KING produces RUBBER matting in all 4-classes (thicknesses) and supplies 4 widths. The widths are 24", 30", 36", and 48". The thicknesses are 3/16", 1/4", 3/8" and 1/2".

### Type & Class

Type #1- non-oil resistant, non-ozone resistant, non-flame retardant.

Type #2- Switchboard Corrugated Matting - offers oil and ozone resistance plus flame retardancy. Type 2 has the same voltage rating as Type 1 in each thickness.

Class 1 - 3/16" thick - 20,000 volts

Class 2 - 1/4" thick - 30,000 volts

Class 3 - 3/8" thick - 40,000 volts

Class 4 - 1/2" thick - 50,000 volts

Standard Width		3/16"	1/4"	3/8"	1/2"
ASTM D178-01 Type 1-Class		1	2	3	4
Volts When New		20,000	30,000	40,000	50,000
24"	Part #	T1C1-24	T1C2-24	T1C3-24	T1C4-24
30"	Part #	T1C1-30	T1C2-30	T1C3-30	T1C4-30
36"	Part #	T1C1-36	T1C2-36	T1C3-36	T1C4-36
48"	Part #	T1C1-48	T1C2-48	T1C3-48	T1C4-48
Feet/Roll		75	75	75	60
Max. Pieces/Roll		2	2	2	2