

# ELECTRICAL INSULATING MAT

- ▶ Test report is provided upon request
- ▶ All mats can be cut and tailored to suit the customer requirements (Cutting mats have  $\pm 10\%$  size tolerance)

## Product

Electrical insulating mats are designed to protect workers near high-voltage equipment from electric shocks by providing high electrical resistance. They are widely used in front of switchboards, control panels, and substations.

## IEC 61111 Compliance

- Electrical insulating mats tested and certified according to IEC 61111:2009
- Available in classes 0 to 4

Class	Working Voltage
0	1.0 kV
1	7.5 kV
2	17.0 kV
3	26.5 kV
4	36.0 kV

## Certifications and Patents

- IEC 61111: 2009
- Patent No. 10-1458046: Electrical insulating mat and its manufacturing method

## Guidance

- Inspect the mat for any visible damage such as cuts or punctures.
- Ensure the mat is clean and free from contaminants such as oil or chemicals.
- Verify that the mat's rating is appropriate for the voltage level of the equipment being worked on.
- Always place the mat on a dry, flat surface.
- Ensure the mat is properly positioned and covers the work area completely.
- Do not use the mat if it is wet or if there are conductive materials on it.
- Clean the mat with a soap solution and water if necessary. Avoid using harsh chemicals.
- When storing the mat, do not fold it, but roll it up.



## Applications

- ✓ Ship
- ✓ Railway
- ✓ Electrical substations
- ✓ Near control panels
- ✓ In front of switchboards
- ✓ Near the fuse box
- ✓ Other high voltage work areas

## Information

- ✓ Width x Length x Thickness [Width: 910 ~ 1200 (mm)] [Length: 10 ~ 20 (m)] [Thickness: 3.2 ~ 6.4 (mm)]
- ✓ Color – black, grey, etc.
- ✓ Quantity
- ✓ Surface finish – Plain, ribbed(anti-slip)



Insulating



Flame Retardant



Wear Resistant



Good Aging



Slip Resistant



Acid Resistant



Oil Resistant

IEC 61111, ASTM D178 Compliant



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