

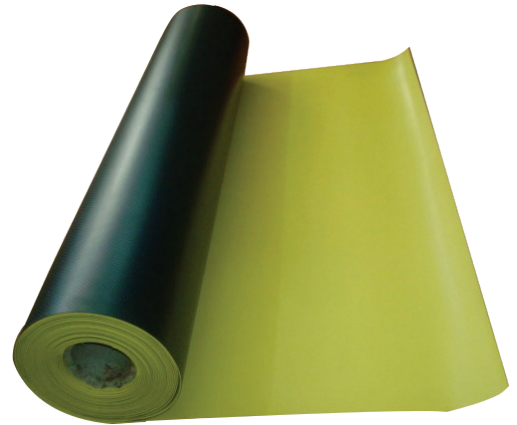
# Honeywell Insulating Mats

## Standing on the Safe Side

The Honeywell Insulating Mats provide a unique solution to protect workers against electric shock across substations, transformer rooms, LT and HT control panels, electrical switch rooms for AC and DC installations, battery rooms, and generator set rooms.

Patented\* dual-layer technology enables easy detection of damage on the top layer and helps users assess whether mats should be replaced.

The Honeywell mats are proven to have a high dielectric strength – tested as per IS 15652: 2006.



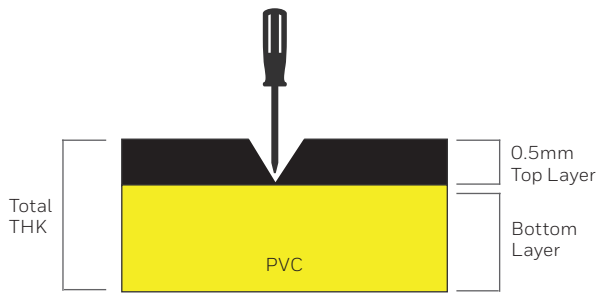
## FEATURES & BENEFITS

- **Bicolor Mat:**  
The two colors and two layers of the mat serve the purpose of mechanical damage indication and give hint to replace the mat when color change is visible on the surface.
- **Flame Retardance:**  
In case of flammable liquid spill or spark, fire will not propagate. Tested as per IS 15652: 2006 Clause C-5.1.
- **Working Temperature:**  
-10 to 55 °C
- **Shock proof:**  
Protect flooring from damage in case of heavy material impact.
- **100% virgin material:**  
Longer and reliable life.
- **Certified by IS 15652:2006:**  
Ensures the minimum regulatory requirements for India.
- **Quality assurance:**  
Tested by the reputed ERDA laboratory.
- **Moisture and water repellent:**  
Easy to clean. Hassle-free maintenance.
- **Good tensile strength and elongation properties:**  
Ensures low brittle and cracks, good foldability. Tested as per IS 15652: 2006 clause C-2.
- **Easy Installation:**  
Can be easily installed / pasted on floors when needed. Easy to maintain.
- **Category 3 product:**  
Not affected by acids, transformer oil, alkali, and diesel.
- **Good Electrical properties:**  
Protects against desired voltage class as per IS 15652: 2006.
- **DC & AC protection:**  
Suitable for both DC and AC electrical installations.
- **Insulation Resistance:**  
Excellent insulation mechanism up to 10,000,000 M with 500 V Megger.

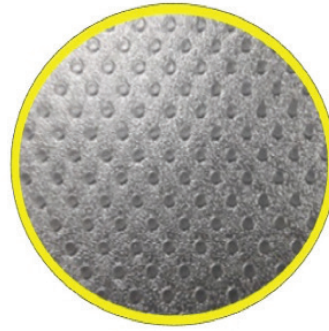
\* Patent Filed

The two colors of the mat serve the purpose of mechanical damage indication and give a hint to replace the mat when the color change is visible on the surface. However, after extensive mechanical damage, their dielectric strength and electrical ratings may degrade even if the yellow color doesn't become apparent.

# Honeywell Insulating Mats Technical Specifications



*Honeywell Insulating Mats*



## **APPLICATIONS:**

Near HT and LT control panels;  
In front of electric switchboards;  
Power transmission rooms;  
Substations;  
Around busbars;

**Has an indoor or outdoor portable protection element for site engineers working on live equipment.**

## **MATERIAL:**

Elastomer PVC mats to meet the varying requirements of every client. The insulating mats are manufactured using state-of-the-art machinery and undergo rigorous quality controls.

## **CLASSIFICATION:**

Safety mats for electrical applications are divided into three main classes based on voltage ratings. Recommended division is as follows:

### **Class: A**

**Thickness:** 2.0 mm  
**Working Voltage:** 3.3 KV  
**AC Proof Voltage:** 10 KV  
**Dielectric Strength:** 30 KV

### **Class: B**

**Thickness:** 2.5 mm  
**Working Voltage:** 11 KV  
**AC Proof Voltage:** 22 KV  
**Dielectric Strength:** 45 KV

### **Class: C**

**Thickness:** 3.0 mm  
**Working Voltage:** 33 KV  
**AC Proof Voltage:** 36 KV  
**Dielectric Strength:** 65 KV

## **COLOR:**

Black top layer and yellow bottom layer.

## **SURFACE:**

Specially designed small aberration to make upper surface anti-skid.

## **SIZE:**

Standard width is 1 meter with a length up to 10 meters per roll.

## **MARKING:**

Every meter of mat is marked with class symbol, lot number or batch number, and Honeywell brand name.

## **PACKING:**

Packed in gunny bags of Jute Hessian Cloth to avoid mechanical damage of material during transit.

## **BOTTOM SURFACE:**

Grips well to the surface to prevent mat movement when heavy equipment or forklifts are in transit.

## **Honeywell Industrial Safety India**

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