



## Electrical Insulating Mats

Certified according to IEC 61111:2009, class 0,1,2,3,4

### Product description

Electrical insulating mats made on the basis of synthetic, or a combination of synthetic and natural rubbers are supplementary protection for transformers, electrical substations, workplaces with high voltage, or in front of switchboards in buildings. The working voltage is up to 36,000 V and they are tested at voltages from 1,000 V to 50,000 V.

### Use

They are intended for additional protection of workers against accidental contact with live electrical conductors, devices or circuits.

### Storage

Electrical insulating mats should be stored in a way that prevents their damage at a temperature between 10 °C and 21 °C.

Special measures should be taken to ensure that the electrical insulating mats are not compressed, folded or stored near steam pipes, radiators or other sources of artificial heat or exposed to direct sunlight, artificial light or other sources of ozone.

### Inspection before use

Before each use, both sides of each electrical insulating mat should be visually inspected. Examine the material carefully for any damage that could affect dielectric characteristics, such as cracks, tears or small holes. In case of damage, the electrical insulating mat is non-functional and must not be used and should be replaced with another one.

### Temperature

Standard electrical insulating mats should be used in areas with an ambient temperature between -25 °C and +55 °C.

According to IEC 61111 clause B5.

### Safety precautions during use

The floor must not contain more than 4% moisture to prevent moisture accumulation.

The floor (surface) must comply with IEC61111B4.

Before laying the electrical insulating mat, we must make sure that it has not been damaged during storage.

The manufacturer recommends not gluing the electrical mat to the floor so that the mat can be inspected.

(The marking tapes are on the underside.) The manufacturer recommends (according to IEC 61111) at least once every 12 months to have the mat inspected by a revision technician to assess electrical functionality.

### **Care and cleaning**

The surface of the mat is regularly cleaned with a broom or brush (sorghum broom or horsehair brush) so that dirt does not accumulate on the surface of the mat. To remove coarse dirt, it is prohibited to use steel cleaners, wires or wire brushes. Never use cleaning agents containing acids, alkalis, acetone or other solvents, as they may irreversibly damage the surface of the dielectric mat. Coarse dirt that cannot be removed with a brush should be carefully removed with a wooden or plastic spatula.

**Failure to comply with these measures releases the manufacturer from responsibility for the functionality of the electrical mat.**



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