



## INSULATING MATTING MANUFACTURERS AS PER IEC 61111: HIC

**Insulating Matting** manufactured in **fine ribbed rubber mat** design used as a **dielectric carpet** for **electrical insulation** to prevent shock around **high voltage electrical panels**, switchgear, control panels, switch board, and transformers as per **IEC 61111** specifications produced by HIC Universal India exporters of insulating matting for safety to England UK, Africa, Qatar, Saudi Arabia, Oman, Russia, Ukraine, Indonesia, Singapore, Morocco, Japan, Mexico, EU.

### **Insulating Rubber Matting Suppliers in India, UK, Czech Rep., New Zealand, South Africa, Australia, Malaysia, Slovakia**

**Insulating rubber matting** manufacturers suppliers, HIC Universal, supplies in India, UK, Czech Rep., New Zealand, South Africa, Australia, Malaysia, Slovakia after thorough in-house testing of **electrical safety mat** meeting & surpassing electrical-current parameters as laid down in **IEC 61111** standards to eliminate the electrical hazards of high voltage shock in the workplace, thus, provides protection to workers in factory.

**Electrical-safety mats** are not intended to be used as “Hot” Rail Blanket and, should be borne in mind, “*Not to Place Insulating Matting in Service or Use with Cracks or Punctures*” as can be dangerous in the event of electrical current leakage.



### **Electrical Switchboard Matting Specification as per IEC: HIC Universal**

**Manufacturers of IEC Electrical Switchboard Matting conforming specification** produced by HIC Universal in *fine ribbed corrugated top surface and high grip cloth finished bottom design pattern electrical safety mat* manufactured in India located Delhi and Uttar Pradesh factories in **five** different varieties of **Thickness** and **Dielectric Test Voltage when new**, designated as **Class**, Class 0 signifies (3mm / 20kV), Class 1 (3.5mm / 20kV), Class 2 (4mm / 30kV), Class 3 (4.5mm / 40kV), Class 4 (5.5mm / 50kV) respectively.

[www.electricalsafety.mat.com](http://www.electricalsafety.mat.com) | [www.hicrubbersheets-china.com](http://www.hicrubbersheets-china.com) | [www.hic-india.com](http://www.hic-india.com)

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High quality Natural Rubber compound is used by HIC Universal in manufacturing electrical safety mat product fully tested as per international Swedish IEC standards that covers full testing over the entire mat surface in well-equipped HIC's Testing Laboratory and stamped on the reverse with identification coding.

**Insulating Matting's Test Certificate** of HIC's Lab forwarded along-with the supplies.

***Third Party Inspection*** from an independently accredited India Test Facility, like by ERDA, CPRI, or other Govt. approved laboratory test certificate can be provided for electrical matting on Extra charges to be directly reimbursed by buyer.

**Warranty:** Manufacturer warrants insulating matting to be free from manufacturing defects and shall replace or repair if found defective in workmanship within 90 days from the date of shipment.

ELECTRICAL INSULATING MATTING TECHNICAL SPECIFICATIONS: MADE IN INDIA * HIC					
Thickness of Electrical Insulation Matting	IEC 61111:2009 / BS EN 61111:2009 Specification	Dielectric Test Voltage When New	Working Voltage (Nominal Maximum Use)	Surface Proof Test Voltage	Weight (Approx.) Kilograms per Square Meter #
3mm	<b>Class 0</b> (Low Voltage, substitute of BS921 650V)	10kV (10,000V)	1,000V	5,000V	3.70 kg/m <sup>2</sup>
3.5mm	<b>Class 1</b>	20kV (20,000V)	7,500V	10,000V	6.10 kg/m <sup>2</sup>
4.0mm , 6mm	<b>Class 2</b>	30kV (30,000V)	17,000V	20,000V	5.00 kg/m <sup>2</sup> , 7.5 kg/m <sup>2</sup>
4.0mm , 6mm	<b>Class 3</b>	40kV (40,000V)	26,500V	30,000V	5.0 kg/m <sup>2</sup> , 7.5 kg/m <sup>2</sup>
4.0mm , 6mm	<b>Class 4</b>	50kV (50,000V)	36,000V	40,000V	7.0 kg/m <sup>2</sup> , 10.5 kg/m <sup>2</sup>

**Standard Sizes** of Heavy Duty Switchboard Mats manufactured (Width x Length): 914mm (3ft) x 1.8meter (6ft), 1000mm (1meter) x 2m, 1m x 5m, 1m x 10m, 1.2m x 2m, 1.2m x 5m and other sizes on request. Other thickness's also produced.

**Colour** of mat: Black or Grey / coding colour as per Class for easy identification.

**Disclaimer:** Information's, written and verbal are provided by HIC, relative to its electrical mat product which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of UNIVERSAL brand industrial rubber products should determine for itself the suitability of such products.