



## INSULATING MATS FOR ELECTRICAL PURPOSES MANUFACTURERS AS PER IS 15652: HIC

**Insulating Mats for Electrical Purposes** manufactured in **anti-skid aberration marks rubber mat** design used as a floor covering for **high voltage electrical insulation** of AC & DC current installations to prevent shock around **11 kV switchgear panels, 22 kV generator room, 33 kV substation battery rooms, 66 kV remote electrical panels, LT & HT Labs,** and around bus bars as per **IS 15652: 2006** specifications produced by HIC Universal India exporters of insulating mat to UAE, Australia, Philippines, UK, Turkey, Vietnam, Iran, Mauritius, Chile, Georgia, Kuwait, Yemen, Indonesia, Singapore.

 **High Voltage Insulating Mat Suppliers in India, Belgium, Germany, Netherland, Sweden, Italy, Finland, Algeria, UAE**

**High voltage insulating mat** manufacturers suppliers, HIC Universal, supplies in India, Belgium, Germany, Netherland, Sweden, Italy, Finland, Algeria, UAE after thorough in-house testing of **non-conductive matting** meeting & surpassing electrical current parameters as laid down in **IS 15652: 2006** standards to eliminate the electrical hazards of high voltage shock in the workplace, thus, provides protection and **safety** to workers in factory.

HIC Universal is approved suppliers of high voltage insulating mat conforming IS 15652 to substations located in Mumbai Maharashtra, Noida Uttar Pradesh, Bhiwadi Rajasthan, Jamshedpur Jharkhand, Cuttack Odisha, Bengaluru Karnataka, Ahmedabad Gujarat and other states of India.

**Electrical insulation safety matting** is not intended to be used as “Hot” Rail Blanket and, should be borne in mind, *“Not to Place Insulating Rubber Mat in Service or Use with Cracks or Punctures”* as can be dangerous in the event of high voltage electrical current leakage.



## **Electrical Insulating Mat Specification as per IS 15652: HIC Universal**

**Manufacturers of IS 15652: 2006 Electrical Insulating Safety Rubber Mat conforming specification** produced by HIC Universal in *small anti-skid aberration marks (rough surface without edges) and plain lower surface design pattern electrical mat* manufactured in India located Delhi and Uttar Pradesh factories in **three** different varieties of **Thickness and Dielectric Test Voltage when new**, designated as **Class**, Class A signifies (2mm / 30kV), Class B (2.5mm / 45kV), Class C (3mm / 65kV) respectively.

High quality electrical resistant Elastomer, free from any insertions (that includes rubbers, latex and Elastomeric compound that may be natural or synthetic or a mixture or a combination of both) is used by HIC Universal in manufacturing electrical insulating high voltage mat product, fully tested as per BIS 15652 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, having salient quality characteristics:

- **High Electrical Insulation Resistance** 10,00,000 Mega Ohms when measured with 500 v Megger
- **Fire Retardant** < 5 seconds blue flame extinguished when tested after removal
- **Leakage Current** to 10 MA at 65 kV tested 100% Shockproof high voltage resistant mat

**Electrical Insulating Mat'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 insulating mat on Extra charges to be directly reimbursed by buyer.

**Warranty:** Manufacturer warrants high voltage insulating mats 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 MAT TECHNICAL SPECIFICATIONS: MADE IN INDIA * HIC					
Thickness of Safety Rubber Matting	IS 15652 / 2006 Specification	Dielectric Test Voltage When New	Working Voltage (Nominal Maximum Use)	Surface Proof Test Voltage	Weight (Approx.) Kilograms per Square Meter #
2mm	Class A	30kV (30,000V)	3,300V	10,000V	2.90 kg/m <sup>2</sup>
2.5mm	Class B	45kV (45,000V)	11,000V	22,000V	3.60 kg/m <sup>2</sup>
3mm	Class C	65kV (65,000V)	33,000V	36,000V	4.70 kg/m <sup>2</sup>
3.5mm * Omitted from IS 15652	Class D	110kV (110,000V)	66,000V	70,000V	-

**Standard Sizes** of Switchboard Matting manufactured (Width x Length): 900mm (3ft) x 1.8meter (6ft), 1000mm (1meter) x 2m, 1m x 5m, 1m x 10m, 1m x 20m, 1.2m x 2m, 1.2m x 5m, 1.2m x 10m and other sizes on request.

For special outdoor application use, high voltage insulation mats can also be supplied with higher thickness subject to single maximum roll length of 5m / 10 meters.

**Color** of mat: Black / Blue / Red with Marking as to Roll No., Class, Manufacturing Date, Manufacturer's Identity i.e. HIC Universal.

**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.