

Item Name: Electrical Insulating Mats as per IS 15652:2006

Item Description: Electrical Safety Flooring as per latest Indian Standard

Electrical Insulating Mats are generally used for covering the floor below the control panels. Our Mats are **manufactured as per latest Indian Standard i.e IS 15652:2006**. It is mainly **used for safety of workers** while installing and operating electrical equipment because of possibility of leakage of current.

These are **manufactured using elastomer** (latex, rubber and elastomeric compounds that might be natural, synthetic or mixture of both) all along with **anti-skid aberrations on the top to avoid slippage and smooth lower surface**. It is available in **2mm, 2.5mm & 3.0mm thickness** depending upon the working/use voltage. **Manufacturer's Test Certificate** is provided along with the supply.

Applications:

- Electric Substations
- Near HT/LT Control Panels
- In front of Switchboards
- Around Buss Bars
- Transformer, Generator & Lift Rooms
- For Outdoor/Indoor Onsite Engineering Work Live Equipment



Diamond Design



Texture Design

Product Code	Class	Recommended Thickness	Max Use/ Working Voltage	AC Proof Voltage	Di-electric Strength (Withstand Voltage)	Approx Weight Per Sqr Mtr.
IM 001	A	2.0 mm	3.3 KV	10.0 KV	30.0 KV	3.2 Kgs
IM 002	B	2.5 mm	11.0 KV	22.0 KV	45.0 KV	4.0 Kgs
IM 003	C	3.0 mm	33.0 KV	36.0 KV	65.0 KV	4.8 Kgs
IM CD (Custom)	-	Upto 25.0 mm	Upto 66.0 KV	Upto 70.0 KV	Upto 80.0 KV	-

PRODUCT INFORMATION SHEET

Sl No.	Characteristics	Values
1	Material Composition	Elastomer free from any insertion. Typically, a combination of rubber and synthetic polymers.
2	Tensile strength (T.S.)	15N/mm ² (min.)
3	Elongation at Break (E.B.)	250% (min.)
4	Leakage Current	10 mA (max.)
5	Insulation Resistance with Water when tested at 500 V	1,00,000 MΩ (min.)
6	Flame Retardance	Extinguishes within 5 secs (max.)
7	Ageing Properties at 70±1°C for 168 hours.	T.S. & E.B. not less than 75% of original value.
8	Acid, alkali & Oil Resistance	T.S. & E.B. not less than 80% of original value.
9	Working Temperature	-10°C to 55°C

Standard Size & Design	1) 1.0 Mtr. Wide x 2.0 Mtr. Long in Diamond Design. 2) 1.0 Mtr. Wide x 10.0 Mtr. Long in Texture Design.
Custom Size & Design	Max. width upto 2400mm, length upto 20M and thickness upto 25mm available in Texture Design only.
Standard Colour	Black & Blue without Metallic Derivatives. (Other colours available on request subject to availability.)
Manufacturing Tolerance	±10% on thickness, ±5% on length, ±2% on width.
Fixing at Site	We undertake Fixing at site along with materials subject to certain criteria.

Minimum Ordering Information Required	<ul style="list-style-type: none"> • Class • Working Voltage • Thickness • Dimension (Length x Width) • Total Quantity Required • Colour
--	--

The data on this page represent typical values. Since application variables are a major factor in product performance, this information should serve only as a guideline. We assume no obligation or liability for use of this information. Unless we agree otherwise in writing, we make no warranties, express or implied, and disclaim all implied warranties. We shall not be liable for any special, incidental or consequential damages. We reserve the right to change product design and properties without notice.