

Item Name: Insulation Mats as per IEC 61111:2009

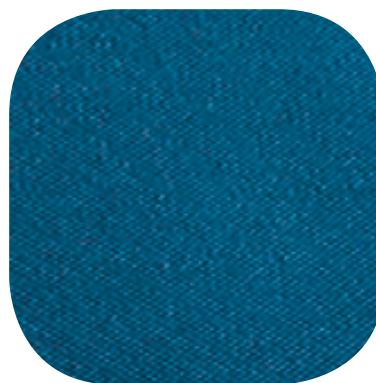
Item Description: Electrical Safety Flooring as per International Standard

The insulation mats are manufactured as per the IEC 61111:2009 standard set by the International Electrotechnical Commission and are highly electrical resistant. These non-conductive mats insulate and protect from mortal shocks generated by high voltage equipment.

We recommend thickness from 2mm to 4mm (higher thickness also available) depending on use/working voltage resistance with anti-skid textured surface on top and smooth lower surface. These are leakage, moisture and water proof that guarantee long functional life. They are also fire, oil and acid resistant. **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, Generators & Lift Rooms
- For Outdoor/Indoor Onsite Engineering Work Live Equipment



Blue Colour Mat



Black Colour Mat

Product Code	Class	Recommended Thickness	Max Thickness Allowed	Max Use/ Working Voltage	AC Proof Voltage	Di-electric Strength (Withstand Voltage)	Approx Weight Per Sqr Mtr.
IEC 001	0	2.0 mm	6.0 mm	1.0 KV	5.0 KV	10.0 KV	3.2 Kgs
IEC 002	1	2.0 mm	6.0 mm	7.5 KV	10.0 KV	20.0 KV	3.2 Kgs
IEC 003	2	3.0 mm	8.0 mm	17.0 KV	20.0 KV	30.0 KV	4.8 Kgs
IEC 004	3	3.0 mm	11.0 mm	26.5 KV	30.0 KV	40.0 KV	4.8 Kgs
IEC 005	4	4.0 mm	14.0 mm	36.0 KV	40.0 KV	50.0 KV	6.4 Kgs
IEC CD (Custom)	-	Upto 14.0 mm	Upto 14.0 mm	Upto 36.0 KV	Upto 40.0 KV	Upto 50.0 KV	-

PRODUCT INFORMATION SHEET

Sl No.	Characteristics	Values
1	Material Composition	Elastomer free from any insertion. Typically, a combination of natural rubber and other synthetic polymers.
2	Mechanical Puncture Resistance	70 N (min.)
3	Slip Resistance	50 N (min.)
4	Ageing Properties at 70±2°C for 168 hours.	Mechanical Puncture Resistance not less than 80% of original value.
5	Flame Retardance	Does not catch fire.
6	Low Temperature Test at -25±3°C	No visible tear, crack or break.
7	Acid Resistance	Mechanical Test Values not less than 75% of original value.
8	Oil Resistance	Mechanical Test Values not less than 75% of original value.
9	Working Temperature	-25°C to 55°C

Standard Size & Design	1) 1.0 Mtr. Wide x 10.0 Mtr. Long in Texture Design. 2) 1.2 Mtr. Wide x 10.0 Mtr. Long in Texture Design.
Custom Size & Design	Max. width upto 2400mm, length upto 20M and thickness upto 14mm 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.

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