

# SAFEVOLT INSULATING MATS (IS 15652:2006)

ISI Marked | BIS Approved | CPRI/ERDA Type Tested | High Voltage Resistant



## Overview

It is generally used for covering the flooring below the control panels for protection from electrical shock. It is manufactured as per the latest Indian Standard i.e. IS 15652:2006 and is BIS & CPRI/ERDA approved. It is suitable for both AC & DC panels.

It is a premium grade electrical safety mat exceeding the requirements of the Indian standard and having a premium dotted anti-skid design. It is ISI marked on every meter. It is aimed at customers seeking high quality and premium finish products. Manufacturer's Test Certificate is provided along with the supply.

## Technical Information

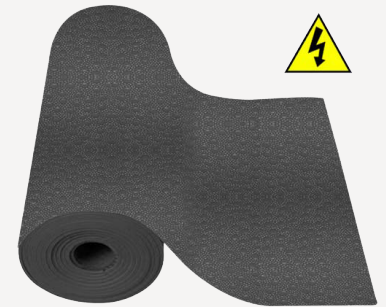
Product Code	Class	Thickness	Working Voltage	AC Proof Voltage	Di-electric Strength	Weight per m <sup>2</sup>
ISI 001	A	2.0 mm	3.3 KV	10.0 KV	30.0 KV	3.2 Kgs
ISI 002	B	2.5 mm	11.0 KV	22.0 KV	45.0 KV	4.0 Kgs
ISI 003	C	3.0 mm	33.0 KV	36.0 KV	65.0 KV	4.8 Kgs

Characteristics	Values
Material Composition	Elastomer free from any insertion. Typically, a combination of pvc and synthetic rubber polymers.
Antiskid Design	Premium Dotted
Tensile strength (T.S.)	15N/mm <sup>2</sup> (min.)
Elongation at Break (E.B.)	250% (min.)
Leakage Current	10 mA (max.)
Insulation Resistance with Water when tested at 500 V	1,00,000 MΩ (min.)
Flame Retardance	Extinguishes within 5 secs (max.)
Ageing Properties at 70±1°C for 168 hours	T.S. & E.B. not less than 75% of original value.
Acid, Alkali & Oil Resistance	T.S. & E.B. not less than 80% of original value.
Working Temperature	-10°C to 55°C

<b>Standard Size</b>	1) 1.0 Mtr. Wide x 20.0 Mtr. Long. for 2.0mm & 2.5mm. 2) 1.0 Mtr. Wide x 10.0 Mtr. Long. for 3.0mm.
<b>Custom Size</b>	1.0 Mtr. Wide x Length as per Customer Requirement.
<b>Standard Colour</b>	Black & Blue without Metallic Derivatives.
<b>Fixing at Site</b>	We undertake site fixing along with materials subject to min. criteria.

Cut lengths, custom shapes, and colours are available upon request

Note: Manufacturing tolerance of ± 10% on thickness, ±15mm on width & length up to 600mm and ± 20mm for higher.



## Applications

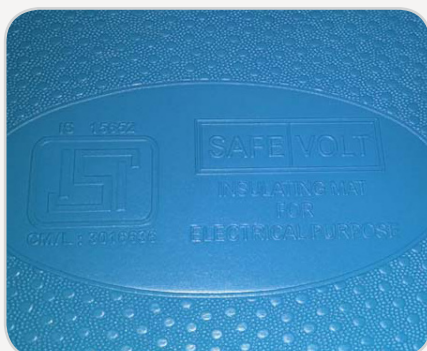
Safevolt Insulating Mats has been designed for use as electrical safety floor covering in:

- > Electrical Substations
- > Near HT/LT Control Panels
- > In Front of Switchboards
- > Around Buss Bars
- > Transformer, Generator & Lift Rooms
- > For Outdoor/Indoor Onsite Work on Live Equipment

## Inquiry/Ordering Info

- > Class
- > Working/Use Voltage \*
- > Thickness x Width x Length \*
- > Colour \*
- > Total Quantity Required \*

\* Mandatory



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The data on this sheet represent typical values and should be used as a guide only. We reserve the right to change the specification without notice and assume no liability for use of this information.

Duratuf Products | Insulating Mats