

X-VOLT INSULATING MATS (IS 15652:2006)

ISI Marked | BIS Approved | Type Tested | High Voltage Resistant

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Overview

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. Manufacturer's Test Certificate is provided along with the supply.

Technical Information

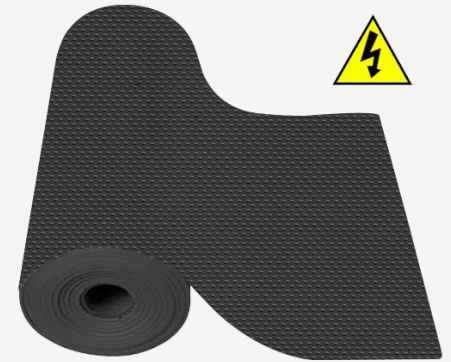
| Product Code | Class | Thickness | Working Voltage | AC Proof Voltage | Di-electric Strength | Weight per m ² |
|--------------|-------|-----------|-----------------|------------------|----------------------|---------------------------|
| XV 001 | A | 2.0 mm | 3.3 KV | 10.0 KV | 30.0 KV | 3.2 Kgs |
| XV 002 | B | 2.5 mm | 11.0 KV | 22.0 KV | 45.0 KV | 4.0 Kgs |
| XV 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 | Dotted Design |
| Tensile strength (T.S.) | 15N/mm ² (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 |

| | |
|------------------------|--|
| Standard Size | 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. |
| Custom Size | 1.0 Mtr. Wide x Length as per Customer Requirement. |
| Standard Colour | Black & Blue without Metallic Derivatives. |
| Fixing at Site | 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

X-Volt 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



www.duratufproducts.com | sales@duratufproducts.com

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 assumes no liability for use of this information.

Duratuf Products | Insulating Mats