

Vardhman® Electrical Insulating Mats

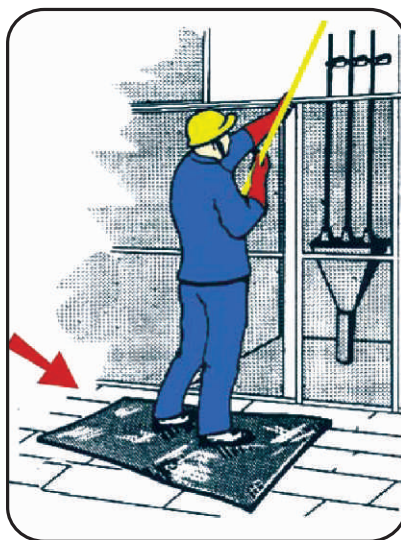
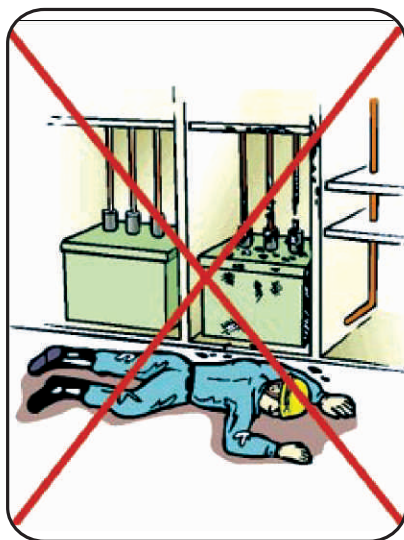
to prevent from ELECTRICAL SHOCK

Confirms to :

IS 15652
CM/L 8385793

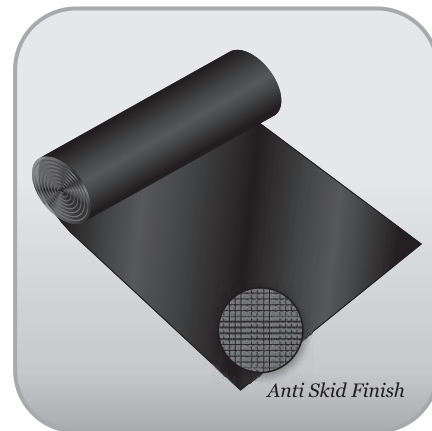
Say No to Electric Shock

Vardhman® High Voltage Electrical Insulating Mat is considered as Personal protection equipment (PPE), it is specially designed for use in front of open switchboards or high voltage equipment. Used in many Industrial Plants and Factories to protect against electrical shocks. Vardhman is manufacturing electrical Insulating mats in India, since 1996.



Features

- ISI Marked, ERDA & CPRI Type Tested insulating mats.
- Tests and specifications also meet BS 921, IEC 61111, ASTM.
- For both A.C. and D.C. applications.
- Di-electric Strength 65KV (650000volts).
- AC proof Voltage up to 36KV.
- Low Temperature resistant.
- Acid, Alkali, Diesel & Transformer oil resistant.
- Flame Retardant.
- Good Aging properties
- High Insulation resistance exceeding 1100000 MΩ.
- High tensile strength and elongation properties.
- Leakage Current less then 1mA.



Anti Skid Finish

About Us

Vardhman® is an ISO 9001: 2008 certified company, established in India in 1996 as a high Quality manufacturer of wide variety of Rubber and PVC products. At the time of inception, the main products manufactured were Rubber Hoses, Rubber Sheets and Electrical Insulating Mats. Today, Vardhman uses most advanced and rare technology from all over the world for manufacturing of our wide array of products.

We have been awarded with 5 BIS (Bureau of Indian Standards) Licenses on our products:

IS-444 General Purpose Rubber Water Hose, IS-446 Rubber Air Hose, IS-638 Insertion Rubber Jointing, IS-3549 Rubber Water Suction and Discharge Hose, IS-15652 Insulating Mats for Electrical Purposes.

Our Product Range includes:

- Vardhman® Rubber Low and Medium Pressure Hoses (Rayon Braided/Textile Plies).
- Vardhman® Rubber Hi-pressure Wire Braided Hydraulic Hoses.
- Vardhman® PVC Nylon Braided Hose.
- Vardhman® Composite Oil Hoses.
- Vardhman® Rubber Sheets with or without insertion in long length.
- Vardhman® PVC Water Stop Seal.
- Vardhman® Rubber Electrical Insulating Mats as per IEC 61111.
- Vardhman® High Voltage Insulating Mats as per IS:15652-2006.

Vardhman® is manufacturing Electrical Insulating Mats in India since 1996 and is a BIS licensee of Electrical Shock Proof Mats (IS-5424 & IS-15652) in India from last 15 years, which is a unique & rare feature of the company.

Vardhman® proudly offers the Biggest range of Electrical Insulating mats covering various types of elastomers and thicknesses. We have different mats for different Standards like IS-15652 (Synthetic Elastomer) & IEC 61111(Rubber) etc.



The mats before dispatch are fully tested in the Factory integrated laboratory where all the testing facilities are available which includes testing of Electrical Properties, Physical Properties, Thermal Properties and Chemical Properties etc.

Regular inspections by the Third Party Agencies like SGS, PDIL, RITES, BIS, DGS&D, LLOYDS etc. are conducted using the factory lab and products are also tested in outside laboratories like National Test House (NTH), Central Power Research Institute (CPRI), Electrical Research & Development Association (ERDA) for TYPE TEST Purposes.

The Clientele includes - BHEL (Bharat Heavy Electricals Limited), SAIL (Steel Authority of India Limited), NTPC (National Thermal Power Corporation), GAIL (Gas Authority of India Limited), ONGC (Oil and Natural Gas Corporation Limited), DAE (Department of Atomic Energy), BARC (Bhaba Atomic Research Institute), EIL (Engineers India Limited), IOCL (Indian Oil Corporation Limited), NHPC (National Hydro Power Corporation), NPCIL (Nuclear Power Corporation of India Limited), PGCIL (Power Grid Corporation of India Limited), AAI (Airport Authority of India), Railways, GSECL (Gujarat State Electrical Corporation Limited), DTL (Delhi Transco Limited), NDMC (New Delhi Municipal Corporation) etc.

Vardhman® electrical Insulating mats are exported world-wide.

Properties

Dimensions	
Form	Rolls  or Mat 
Length	5M/10M/20M
Width	3ft(900mm)/1M/1.2M/ 1.5M
Color (*Other colors as per request)	RED/BLACK/BLUE/GREY
Thickness	2mm, 2.5mm, 3mm

* We can supply the electrical insulating mats in any length and width as per customer requirement.

Vardhman®

Technical Specifications

S.No.	Specifications	Class A	Class B	Class C
1	Thickness	2.0 mm	2.5 mm	3.0 mm
2	Max. use Voltage	3.3 KV	11 KV	33 KV
3	Ac Proof Voltage	10 KV	22 KV	36 KV
4	Ac Di-electric Strength	30 KV	45 KV	65 KV
5	Max. Leakage Current	10 mA	10 mA	10 mA
6	Min. Insulation resistance measured by 5000 V megger	1,00,000 M Ω	1,00,000 M Ω	1,00,000 M Ω
7	Min. Tensile Strength (N/MM2)	15	15	15
8	Min. Elongation(%)	250	250	250
9	Minimum Retention in Tensile and Elongation from Original Value on Aging at 70 \pm 1°C for 168 hrs	T.S-Min.75% EL.-Min.75%	T.S-Min.75% EL.-Min.75%	T.S-Min.75% EL.-Min.75%
10	Minimum Retention in Tensile and Elongation strength from Original Value when immersed in Acid/Alkali/ Diesel/ Transformer Oil for 48 Hrs	T.S-Min.80% EL.-Min.80%	T.S-Min.80% EL.-Min.80%	T.S-Min.80% EL.-Min.80%
11	Low Temperature Resistance	yes	yes	yes
12	Flame Retardance	yes	yes	yes
13	Composition	Synthetic Elastomer	Synthetic Elastomer	Synthetic Elastomer

Note :

1. Mats shall be ISI Marked at every meter with unique CM/L No.
2. Mats shall be Type Tested by ERDA.
3. Mats shall be pastable type. Pasting / Fixing or request.
4. Inspection facilities are available.
5. In-house test certificate along with supply
6. Mats Shall be replaced on first sign of any damage.

**CONFIRM MARKING WITH
IS 15652 REQUIREMENTS**

**CLASS & W.V
BATCH NO.
CATEGORY
MANUFACTURING DATE
BRAND NAME
CATEGORY**

Vardhman®

BIS, ERDA, CPRI APPROVED

MEETS IEC-61111 REQUIREMENTS

DGS&D REGISTERED



For further enquiries we can be contacted at :
WORKS & REGD. OFFICE : E-1249 & G-1259 Phase-I (Ghatal),
RIICO Industrial Area, Bhiwadi - 301019. Rajasthan. INDIA.
Ph. : +91 1493 - 641189, 641381,
Mobile: +91 8094007345, +91 9873005253.
Fax : +91 11 66173967
E-mail : info@rubberindia.in, mayank.5253@gmail.com
Website : www.rubberindia.in, www.insulatingmat.com