

Vardhman Electrical Insulating Mats





Vardhman Insulating Switchboard matting 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.





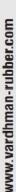


Features

- -Tests and specifications also meet BS 921, IEC 61111, ASTM.
- -For both A.C. and D.C. applications.
- -Di-electric Strength 110KV (110000volts).
- -AC proof Voltage up to 70KV.
- -Low and Extreme Low Temperature resistant.
- -Acid, Alkalis and transformer oil proof.
- -Flame Retardant.
- -Good Aging properties
- -High Insulation resistance exceeding 1100000 M Ω .
- -High tensile strength and elongation properties.
- -Leakage Current less then 5Ma.



Texture Finish





Class	Max. Use Voltage	AC proof Voltage	Di-electric strength	Thickness
Α	3.3	10	30	2.0mm
В	11	22	45	2.5mm
С	33	36	65	3.0mm
D	66	70	110	3.5mm

Dimensions			
Form	Rolls 🜑 or Mat 🔙		
Length	5M/10M/20M		
Width	3ft(900mm)/1M/1.2M		
Color *Other colors as per request	RED/BLACK/BLUE		
*For special outdoor applications, the mats can be supplied with higher thickness with confirmation to IS:15652-2006.	2mm, 2.5mm, 3mm, 3.5mm		

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

PATTERN

Advantage of Texture Finish:-

- 1. The one and only design recommended and approved by IS 15652
- 2. Anti-slip
- 3. Marking on top(always Visible)
- 4. Easier for movement of rolling instruments.
- 5. Easier to clean then ribbed or designed matting.



Texture finish

*On Special requirement design such as button type pattern on the upper surface can also be supplied.

APPROVED BY IOCL, GAIL, ONGC AND VARIOUS OTHER GOVERNMENT AND PRIVATE COMPANIES

CONFIRM MARKING WITH IS 15652 REQUIREMENTS

ROLL NO.
CLASS
MANUFACTURING DATE
BATCH NO.
MANUFACTURER'S IDENTITY



Comparative chart of Vardhman® makes Hi-tech Electrical Insulating Rubber mats With Poly-PVC flooring/mats

Points	Vardhman® Rubber Mats	Poly / PVC Mats
Eco Friendly	Yes - Biodegradable	Non - Non Biodegradable
Physical Properties	Excellent	Comparatively Poorer
Tensile	High	Poor
Elongation	High	Poor
Abrasion Resistance	Excellent	Poor
Thickness	Any thickness - 2mm to 50mm	Only below 3mm
Acceptability	Worldwide - Germany, UK, America	PVC No where
Reliability	Since 1969 in India	Recently tried
Standards	IS - 15652, IS - 5424, BS - 921- ASTM, IEC - 61111	No
Maintenance	Not Required	High
Fixing / Pasting	Not Required	Necessary
Storage	In any atmospheric Condition	Rigidity increases or decreases if not stored at ambient temperature.
Replacement	Easy to remove and install	Very typical, involves high time
B. (1)		and cost
Pricing	Less	Multiples
Flame Retardance	Good	Poor being Petroleum based product
Fire Risk	No - as no pasting	Pasting adhesive material is highly flammable and thus very risky in possible areas of electric spark
Electrical Insulation	Excellent	Comparatively poorer
Ground Treatment	Not required	Required

Things to Remember for maximum safety

- 1. Mats shall be replaced on the first sign of any damage.
- 2. Be sure to buy ISI marked Rubber Insulating Mats only.
- 3. For outdoor applications, mats with higher thickness are more recommendable.
- 4. Inspection facilities are available on request.
- 5. In house test certificates and Government Labs test certificates are available on request.
- 6. Pasting/Fixing are available on request, if required.



Our Range of Products Include:

Exceeds IS and BS standards

Rubber Hoses - Air / Water / Chemical / Carbon Free / Sand Blasting / Fly Ash / Cement / Water and Oil Suction / Steam / Welding / Rock Drill Hoses and more.

Rubber Sheets - Insulating Mats (Confirming to IS: 15652), Traditional Electrical Rubber Chequered Mats (IS: 5424), Insertion Rubber Jointing, Shot Blasting Sheet, Silicon / EPDM / Nitrile / Neoprene / Butyl Rubber Sheets and more.





















For further enquiries we can be contacted at:

WORKS & REGD. OFFICE: E-1249, Phase-I, RIICO Industrial Area,

Bhiwadi - 301019. (Rajasthan). INDIA.

Ph.: +91 1493 - 222289, 641189, 09873005253 Fax: +91 1493 222288, +91 11 23234436

E-mail: info@vardhman-rubber.com, mayank.5253@gmail.com

Website: www.vardhman-rubber.com