



# Vardhman Electrical Insulating Mats

To prevent from Electrical Shock

Confirms to :



IS 15652-2006  
CM/L 8385793



Say No to Electric Shock

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  $\Omega$ .
- High tensile strength and elongation properties.
- Leakage Current less then 5Ma.




Texture Finish

www.vardhman-rubber.com

**Vardhman**<sup>®</sup>

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

Dimensions	
Form	Rolls  or Mat <input type="checkbox"/>
Length	5M/10M/20M
Width	3ft(900mm)/1M/1.2M
Color *Other colors as per request	RED/BLACK/BLUE
Thickness *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

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## 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 Tensile Elongation	Excellent High High	Comparatively Poorer Poor Poor
Abrasion Resistance	Excellent	Poor
Thickness	Any thickness - 2mm to 50mm	Only below 3mm
Acceptability Reliability Standards	Worldwide - Germany, UK, America Since 1969 in India IS - 15652, IS - 5424, BS - 921- ASTM, IEC - 61111	PVC No where Recently tried No
Maintenance Fixing / Pasting Storage  Replacement	Not Required Not Required In any atmospheric Condition  Easy to remove and install	High Necessary Rigidity increases or decreases if not stored at ambient temperature. Very typical, involves high time 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 :

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