Marvel’s electrical insulation mats are lifesaving mats that offer complete protection from electric shocks for people working around electrical installations. Our mats have high insulation resistance, making them ideal for use in both AC & DC panels.

We at Marvel, have developed a proprietary formulation for our Volt-safe and Shock-safe mats to ensure it is not just a regular electrical mat but a complete lifesaving mat for electrical installations! These mats are manufactured using materials with high Di-electric strength & can withstands Voltages up to 65kV AC & 240V DC.

Shock-safe mats are fully compliant with BIS (Bureau of Indian Standards), while Volt-safe mats are fully compliant with Indian / National / International Standards ASTM (American Society for Testing and Materials), IEC (International Electro technical Commission), BIS (Bureau of Indian Standards).

Marvel Vynils offers elastomer PVC mats under two brand names. “Shock-safe” and “Volt-safe” to meet the varying requirements of our clients. Both Shock-safe and Volt-Safe high voltage insulating mats are manufactured using state-of-the-art machinery and pass through vigorous quality controls. Our technical team ensures that no stone is left unturned in getting the right product to our end users.

We also offer customized solutions according to our customer requirements.

*Terms and conditions applied
Marvel Group is a business house with interest in PVC processing, Healthcare and Leasing. Marvel Vinyls Ltd, considered a leading manufacturer of PVC products amongst its other peers in the industry, offers a range of products including PVC flooring, sheeting, films and leather cloth.

We are renowned for our superior quality, robust products, durability, cost effectiveness and hassle-free installations. At Marvel Vinyls, we house a dedicated and competent team of professionals who are highly keen in fulfilling the clients’ requirements and achieving the objectives of the organization. We are putting our sincere efforts to expand ourselves in all its verticals of the group with the best quality products and constantly striving to achieve new benchmarks of success in the industry.

WHY MARVEL?

Marvel Vinyls has earned a huge client base and carved a niche for itself as one of the India’s biggest PVC product manufacturer, having a fully utilized capacity of 3900 MT/Month.

With more than three decades of experience compiled with a perfect blend of the finest technology, professional expertise and sound management, including the zeal for customer satisfaction, Marvel Group aims for a long-term association with its customers.

OUR PRODUCT RANGE

- Shock-safe Insulating Mat
- Volt-safe Insulating Mat
- Anti-Static Flooring
- Anti-Skid Stud Flooring
- Conductive Flooring
- Supported Floorings (which are Jute Backed, Jute Felt Backed, PP Backed and Non Woven Backed)
- Heavy Duty Flexible Flooring
- Luxury Wooden and Printed Flooring
- Designer Printed Flooring
- Synthetic Leather
- PVC Sheets and Films
- Technical Coated Textiles
- Customized Specialty Coatings (for several applications like fire resistance, blackout, water repellant, etc.)

OUR CAPABILITY

Our products are ISO certified which offer great durability and absolute reliability, living up to all the tests for quality assurances. The raw materials undergo thorough tests before putting them into the manufacturing process. Thanks to our vigilant team, which is leaving no stone unturned to produce sustainable, innovative and environment friendly products.
Our Shock-safe insulating mat combines good mechanical attributes to be able to hold up against the movement and load of associated electrical apparatus. Since safety of workers is of utmost concern to us, we highly recommend our Shock-safe mats to clients who have to ensure the safety of their workforce against electric shocks and for use around control panels, electrical installations, generator rooms, sub-stations operating HT & LT switch gears, power plants, battery rooms and other such precarious situations.

Available in two colors viz. Black and Blue along with the customized range on order, the mat has also proven to be of immense help to the organizations that are conscious for their safety from electricity and fire and where human life is given due precedence.

**SALIENT FEATURES**

- Fire-resistant
- Shock-proof
- Designed using 100% virgin compound
- Adhere to IS 15652:2006
- Insulation-resistance up to 1000000 Mega Ohm
- Withstand great physical properties to be able withstand instrument movement engaged in foot traffic and electrical apparatus
- Endowed with moisture and water repellant properties
- Demonstrate good tensile strength and elongation properties
- Can be easily installed/pasted on floors when needed Easy to maintain
- Customization offered as per customers requirement.

**CLASSIFICATION**

Shock-safe mats for electric applications can be classified into three categories based on the thickness, viz.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Classification</th>
<th>Usage Voltage</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>A</td>
<td>Up to 3.3 KV</td>
<td>2.0 (mm)</td>
</tr>
<tr>
<td>02</td>
<td>B</td>
<td>3.3 to 11 KV</td>
<td>2.5 (mm)</td>
</tr>
<tr>
<td>05</td>
<td>C</td>
<td>11 to 33 KV</td>
<td>3.0 (mm)</td>
</tr>
</tbody>
</table>

Shock-safe insulating mats by Marvel is a shock proof and fire resistant product, which is designed to provide safety to people and their property from the unanticipated electric shocks and leakage current up to 10mA and 53KV. Our Shock-safe insulating mat (has replaced Rubber Mat as per IS 5424:1969 according to Govt. Notification S.O. 2086 Dated 17th July 2007) carries water repellant properties and provides complete protection to people from electrical equipments, thereby fulfilling the parameter/requirement of IS 15652: 2006.
Volt-safe insulation mats are made as per IS 15652:2006. It was introduced as a result of technological advancement in the industry, with the view to set up more stringent safety measures so that any possible accident can be avoided. Apart from being BIS compliant, Volt-safe mats offer many exclusive properties making it completely electrically insulated and shock-proof. Volt-safe mats are increasingly being used in different kinds of industries; namely Transformer Rooms, Electric Sub-Stations, Switch Gear Rooms, Lift-Machine Rooms, Transformer Rooms, X-Ray Plant Rooms, Electrical Panel Rooms, LT/HT Labs, AC Plant Rooms, Power plant Generator Rooms, and others.

Volt-safe mats are of great help in safeguarding the lives of the technicians, electricians and the rest of the workforce. In case there is any accidental leakage of current while working on DC or AC installations, it is the Volt-safe insulation mat that ensures complete safety of the workers from any fatalities.

### Classification

Volt-safe mats for electric applications can be classified into three categories based on the thickness, viz.

<table>
<thead>
<tr>
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<td>B</td>
<td>3.3 to 11 KV</td>
<td>2.5 (mm)</td>
</tr>
<tr>
<td>03</td>
<td>C</td>
<td>11 to 33 KV</td>
<td>3.0 (mm)</td>
</tr>
</tbody>
</table>

- **COLOR** – Preferred colors are Blue and Black and other colors are also available on customers’ request.
- **DIMENSIONS** – The standard width is usually 1 meter and standard length is 5 meters, supplied in a roll form. Different sizes are also available as per the need of the customers.

### EXCLUSIVE PROPERTIES OF VOLT-SAFE

- The Volt-safe insulation mats come with a superior sound absorption property up to a minimum frequency of 4 decibels certified using the test method ISO-140-8. In addition to creating breakdown of communication amongst the workers, high levels of noise can cause impaired hearing and other illnesses related to absenteeism. The Volt-safe mat with its sound absorption property could easily overcome different types of noise and vibrations resulting from high frequency sound.

- Abrasion resistance is an attribute of supreme importance for the insulation mats which prevents the loss of volume or material used in the designing of mat and gives extreme foot comfort along with long-term durability and effectiveness. Marvel’s Volt-safe insulation mats certified by ISO-9552 are equipped with abrasion resistance volume loss of only 0.25 cubic cm (maximum) with H18 abrasion wheel of 1,000 Gms of load and 1,000 cycles with taber equipment.

- Flame retardancy is a key feature of the Volt-safe insulation mats by Marvel, which means the mats, can easily combat the destructive impacts of the fire on people, property and environment. These mats certified by ISO-13501 can easily limit the Oxygen index at 28 (min.), thereby disrupting the combustion stage of the fire cycle.

- Marvel’s Volt-safe insulation mats which belong to Class-B category (Appendix 15 of VIC-564-2) also help combat the harmful effects of smoke that result after the break out of fire. As smoke deteriorates the vision and when inhaled can cause health hazards, the Volt-safe insulation mats are designed so to protect people from every possible risks involved at the working conditions or the living spaces.

### SALIENT FEATURES:

- Easy installation
- Hassle-free maintenance
- High durability
- Certified by IS 15652:2006
- Manufactured using state-of-the-art machinery
- Tested under reputed laboratory ERDA AND CPRI
- Suitable for both DC & AC electrical installations
- Excellent insulation mechanism up to 10,00,000 M with 500 V Meggar
REPLACED OUTDATED RUBBER MATS

High voltage insulating Mat as per IS 15652:2006 has superseded rubber mats with IS 5424:1969 (old Std.) as per Govt. of India Gazette Notification No.: S.O. 2086 dated 17th July, 2007.

- Marvel’s high voltage insulating mat having insulation resistance of (1000,000 mΩ) with 500v Meggar.
- Marvel’s insulating mat is suitable for person working around high voltage panels (AC & DC) installation from earth leakage current up to 10 MA.
- Marvel’s insulating mat is best suited for control panels, transformer rooms, sub-stations operating HT & LT switch gears, generator rooms, battery rooms, power plants etc.

PRODUCT PROFILE

Recommended Thickness & Voltage as per IS 15652 : 2006

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Recommended Thickness</th>
<th>Class</th>
<th>Usages Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>2.0 (mm)</td>
<td>A</td>
<td>Up to 5.3 KV</td>
</tr>
<tr>
<td>02</td>
<td>2.5 (mm)</td>
<td>B</td>
<td>3.3 to 11 KV</td>
</tr>
<tr>
<td>03</td>
<td>3.0 (mm)</td>
<td>C</td>
<td>11 to 33 KV</td>
</tr>
</tbody>
</table>

TYPICAL FEATURES OF PVC MATS

- High Insulation resistance up to 1000,000 MΩ with 500 V Meggar.
- High Di-electric strength.
- Tested by ERDA test house for power in INDIA.
- Suitable of AC & DC electrical Installations to protect the workers from earth leakage current.
- High tensile strength and elongation Properties.
- Manufactured without any metallic derivatives.
- Good mechanical properties to withstand load and movement of breaker.
- Suitable for both A.C. & D.C. Electrical Installations

COMPARISON

MARVEL’S INSULATION MATS

- As per IS 15652 : 2006 with date of use is 1st Nov 2007 as per Govt. of India Gazette notification No. SO. 2084.
- Fire Retardant
- High resistance of 1000,000 MΩ with 500 V meggar
- 36 KV for 1 minute for 3mm
- Light in sizes
- 2mm, 2.5mm & 3mm
- Life upto 15 years as per IS 15652:2006
- Easy to clean
- B/down voltage 65 KV for 3mm mat

MANDATORY FOR USE

- As per CPWD general specifications for electrical work part IV substation 2007.
- Central Electricity authority CEA notification No. CE1|1|59|CEA|E1 dated 20th Sep 2010.

RUBBER MATS

- As per IS 5424 : 1969 with drawn by BIS.
- AFFECTED BY
  a) Transformer oil
  b) Alkali
  c) Diesel
  d) Acid
- Hammeble & fire catching
- Poor Resistance
- Withstand voltage 15 KV for 1 minute
- Heavier in sizes
- 10mm, 12mm, 20mm
- Life span maximum 3 years
- Can’t be cleaned
- B/down voltage 4.5 KV

MANDATORY FOR USE

- Withdraen obsolete with no agency specified the use of rubber mats at present.
FEATURES AND SPECIFICATIONS AS PER IS 15652:2006

<table>
<thead>
<tr>
<th>SL.NO.</th>
<th>CHARACTERISTICS</th>
<th>STANDARD VALUES</th>
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</thead>
<tbody>
<tr>
<td>01</td>
<td>THICKNESS</td>
<td>2.0 mm  2.5 mm  3.0 mm</td>
</tr>
<tr>
<td>02</td>
<td>TENSILE STRENGTH (N/MM²)</td>
<td>15  15  15</td>
</tr>
<tr>
<td>03</td>
<td>ELONGATION (%)</td>
<td>250  250  250</td>
</tr>
<tr>
<td>04</td>
<td>INSULATION RESISTANCE WITH WATER AT 500 V</td>
<td>1,000,000 MΩ  1,000,000 MΩ  1,000,000 MΩ</td>
</tr>
<tr>
<td>05</td>
<td>LEAKAGE CURRENT</td>
<td>10 mA at 3.3 KV  10 mA at 11 KV  10 mA at 33 KV</td>
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<tr>
<td>06</td>
<td>AC DI ELECTRIC STRENGTH</td>
<td>50 KV  45 KV  60 KV</td>
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<tr>
<td>07</td>
<td>AC PROOF VOLTAGE</td>
<td>10 KV withstand for 5 min.  22 KV withstand for 3 min.  36 KV withstand for 3 min.</td>
</tr>
<tr>
<td>08</td>
<td>FLAME RETARDANCE</td>
<td>5.0 sec  5.0 sec  5.0 sec</td>
</tr>
<tr>
<td>09</td>
<td>EFFECT TO ACID, ALKALI, DIESEL &amp; TRANSFORMER OIL</td>
<td>% Change from Original Value  % Change from Original Value  % Change from Original Value</td>
</tr>
<tr>
<td></td>
<td>ACID: TENSILE STR. (N/MM²) ELONGATION (%)</td>
<td>Tensile strength  ± 20%  Tensile strength  ± 20%  Tensile strength  ± 20%</td>
</tr>
<tr>
<td></td>
<td>ALKALI: TENSILE STRENGTH. (N/MM²) ELONGATION (%)</td>
<td>Elongation  ± 20%  Elongation  ± 20%  Elongation  ± 20%</td>
</tr>
<tr>
<td></td>
<td>DIESEL: TENSILE STRENGTH. (N/MM²) ELONGATION (%)</td>
<td>Elongation  ± 20%  Elongation  ± 20%  Elongation  ± 20%</td>
</tr>
<tr>
<td></td>
<td>T. OIL: TENSILE STRENGTH. (N/MM²) ELONGATION (%)</td>
<td>Elongation  ± 20%  Elongation  ± 20%  Elongation  ± 20%</td>
</tr>
<tr>
<td>10</td>
<td>AGEING PROPERTIES AT 70±1° C FOR 168 HRS.</td>
<td>% Change from Original Value  % Change from Original Value  % Change from Original Value</td>
</tr>
<tr>
<td></td>
<td>TENSILE STRENGTH. (N/MM²)</td>
<td>T.S. ±25%  T.S. ±25%  T.S. ±25%</td>
</tr>
<tr>
<td></td>
<td>ELONGATION (%)</td>
<td>E. ±25%  E. ±25%  E. ±25%</td>
</tr>
</tbody>
</table>
INSTALLATION / MAINTENANCE GUIDE

Insulation mat looks the best when laid on a smooth floor properly which is only possible when appropriate measures are taken to ensure proper placement of PVC mats by well equipped and skilled team.

CONDITIONS AND REQUIREMENT

Sub-floor should be smooth, flat, rigid, free of stains, and should not be contaminated. In case there is unevenness, you should use a latex self-leveling compound to bring evenness. For maximum benefit and efficient fixing, we recommend a skin of Ardex feather that will give the surface maximum smoothness.

For placement on WOODEN SURFACE, our technical team recommends you uninstall all previous floor coverings and then use Ardex feather for smoothening.

FOR CONCRETE FLOOR the moisture level should not exceed 75% RH when tested with a hygrometer. Please note that if placement is on new concrete then drying can take up to 4 months.

UPON receiving our VOLT-SAFE / SHOCK-SAFE elastomer mats, kindly ensure it is stored in an ambient temperature 48 hours prior to installation. (18-22 degree Celsius)

STEPS TO BE FOLLOWED FOR INSTALLATION

We strongly recommend you to use Marvel’s in-house technical trained team for fixing as our fixing workforce uses certified equipments and is constantly trained on technical advancements of fixing the mats. Our in-house team ensures that fixing is done properly so product characteristics are not compromised at any stage.

In case you decide to use your own resource of fixing, we recommend you follow following steps meticulously:

ADHESIVE: we suggest you use SR 998 OR SR 505 suitable for fixing insulating mats. It is not advisable to use any other adhesive as it may compromise product characteristics. With companies, like pidilite constantly coming out with new products, we recommend you subscribe for our newsletters so we can update you on latest industry developments.

PREPARATION OF SUBFLOOR: As Subfloor stands as the most important part of the process, it should be properly cleaned, dry without any moisture, properly leveled and free from cracks.

CRACKS: Cracks must be filled properly with appropriate material that does not cause any obstruction in fixing the Insulation mat.

DRYNESS: To ensure dryness, and zero moisture we apply a special coat of water proofing that also protects the insulation mat from any damage.

EVEN SURFACE: It is to be ensured surface is even using cement based screeds.

ADHESION: After ensuring surface is fully dried, apply a special coat of SR 998 or SR 505 on both the surface and back of insulation mat to ensure the bonding between floor and insulation mat is effective.

PLACEMENT OF MAT: After adhesive is pasted properly, start pasting the PVC mat onto the floor carefully in a linear direction.

HOT WELDING: A special PVC cord of same color and same insulation properties as per IS 15652:2006, is used to covered the joints to give a pleasant aesthetic look.

MAINTENANCE

For maintenance, we recommend mat be not exposed to direct sunlight for long hours. The high voltage insulation mats are not recommended to be placed in open areas.

Ensure regular cleaning of High voltage mats with commonly used detergents, to ensure longevity and pleasant appearance.
भारत का राजपत्र
The Gazette of India
प्रकाशित अनुरोध, सापारिक
PUBLISHED BY AUTHORITY
SAPARIK\N WEEKLY

सं. 30 ] नव. 8, 1929
सं. 30 ] नव. 8, 1929
No. 30 ] NEW DELHI, JUly 22-JULY 28, 2007; सूबा/सुबा 31-स्वराज्य 6, 1929

हा भाषा में नित्य घोषित संबंधी हैं साथ भाषा के जरिए भाषा न के अंतर्गत भाषा जा सकता

Separate Paging is given to this Part in order that it may be filled as a separate compilation

भाग द - भागह 3 - भागह 3 (ii)

PART II - Section 3 - Sub-section (ii)

क्रमा. 2007-2007 सापारिक (अंतर्गत)

General Statutory Rules (Including Orders, Bye-laws etc. of a general character) issued by the Ministries of the
government of India (other than the Ministry of Defence) and by the Central Authorities (other than the
Administrations of Union Territories)

निर्देश धारणाएँ

वेतन उपयोगी को

चेन्नई के पात्र का अनुच्छेद, वेतन-पात्र VI अनुच्छेद

कोलकाता, 25 जुलै, 2007

संबंध-01/2007-सापारिक (अंतर्गत)

फिफ्ता 1982

नव. 6, 1929

New Delhi, the 17th July, 2007

S. O. 908(G)- In pursuance of clause (b) of sub-rule (1) of Rule 7 of the Bureau of Indian Standards Rules, 1987, the Bureau of Indian Standards hereby notifies that the Indian Standards, particulars of which are given in the Schedule hereto annexed has been issued

Schedule

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>No. and Year of the Indian Standards</th>
<th>No. and year of the Indian Standards, if any, Superseded by the New Indian Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
</tr>
<tr>
<td>1.</td>
<td>IS 13629 : 2006</td>
<td>IS 5434 : 1969 Specification for rubber mat  for electrical purposes</td>
</tr>
</tbody>
</table>

Copy of this Standard is available for sale with the Bureau of Indian Standards, Manak Bhawan, 9, Balasore Shah Zafar Marg, New Delhi-110002 and Regional Offices: New Delhi, Kolkata, Chandigarh, Chennai, Mumbai and also Branch Offices: Ahmadabad, Bangalore, Bhopal, Bhavnagar, Bhusawal, Hyderabad, Jaipur, Kanpur, Nagpur, Patna, Pune and Thrissur, Kasaragod.

S.O. 13281 : 1989

New Delhi, the 17th July, 2007

S. O. 908(G)- In pursuance of clause (b) of sub-rule (1) of Rule 7 of the Bureau of Indian Standards Rules, it is hereby notified that the Indian Standard, particulars of which is mentioned in the Schedule given hereunder, has been cancelled and stand withdrawn.

Schedule

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>No. and Year of the Indian Standards Cancelled</th>
<th>Remarks</th>
</tr>
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<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
</tr>
<tr>
<td>1</td>
<td>IS 12819 : 1989</td>
<td>0157, 19-1-1991</td>
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</table>
ATTACHMENT TO LICENCE NO. CM/L – 2519758

<table>
<thead>
<tr>
<th>साझेदारपंचायत का पता व नाम</th>
<th>NAME OF THE LICSEESE WITH THE ADDRESS</th>
<th>उत्पाद का नाम</th>
<th>NAME OF THE PRODUCT</th>
<th>IS NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>मेससे गार्लिक वित्त संस्था, 84, रायसरोटा, धारा, मसपुर, निरुप – 477 117 (M.P)</td>
<td>Insulating Mats for Electrical purposes, Class A Thickness 2.0 mm, &amp; Class C Thickness 5.0 mm Category III, not suitable for extreme low temperature</td>
<td>आईएसएस 15652: 2006</td>
<td></td>
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<tr>
<td>चिक्कलसी वाकनल्स लिमिटेड, 44, इंडस्ट्रियल एयरिया, मलपुर, ब्रिटन – 477 117</td>
<td>Insulating Mats for Electrical purposes, Class A Thickness 2.0 mm, &amp; Class C Thickness 5.0 mm Category III, not suitable for extreme low temperature</td>
<td>IS 15652: 2006</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENDORSEMENT NO. 04 DATED

The following additional varieties have been included in Column(2) of the first schedule and column (1) of the Second Schedule of the Licence along with the Standard Mark in Column (1) of First Schedule with effect from

"Insulating Mats for Electrical purposes, Class B, Thickness 2.5 mm, Category III, not suitable for extreme low temperature"

Other terms and conditions of the licence remain the same.

Prajakta Bhattacharya

Authorized Signatory for Dun & Bradstreet

Date: 28th Aug 2015

Dun & Bradstreet

Rating Certificate

This is to certify that Dun & Bradstreet Information Services India Private Limited ("D&B") has evaluated

MARVEL VINYL LIMITED
(D-U-N-S Number 65-024-6150)
which has been assigned a Dun & Bradstreet Rating of 4A3.

Authorized Signatory for Dun & Bradstreet

Date: 28th Aug 2015
**FAQ**

**Q1** What is the advantage of Volt-Safe over Shock-Safe?
Shock-Safe/Volt-Safe is manufactured as per IS 15652: 2006. Both are tested by ERDA and CPRI in India. Our both offered products are manufactured instead of from imported machines with high quality control, ensuring safety of the workers working in and around electrical installations.

**Q2** How is the safety of workers ensured by using our Shock-Safe/Volt-Safe?
Workers are safe from electric shock and earth leakage current upto 33Kv using both Shock-Safe and Volt-Safe mats.

**Q3** What is the use of our Shock-Safe/Volt-Safe in Low Voltage/High Voltage Switchgears?
The Shock-Safe/Volt-Safe is placed in front of switchgears and electrical panels to protect the workers from electric shocks. These insulating mats are fixed in front of the panels using special adhesive.

**Q4** How is the generator, Sub-Station, Transformer and Battery room areas protected by our High voltage insulation mats Shock-Safe/Volt-Safe?
Shock-Safe/Volt-Safe is as per IS 15652:2006 and is placed in front of generator panels and battery rooms for safety of working personnel as both Shock-safe and Volt-safe are tested up to 240 V D.C and are acid proof.

**Q5** Are Shock-Safe/Volt-Safe High voltage insulation mats anti-skid?
Our Shock-Safe/ Volt-Safe are anti skid with special coating. Anti skid helps the workers to operate the panels smoothly without fear of shock.

**Q6** Which agencies have made it mandatory to use High voltage insulation mats?
CPWD general specification for electrical works part –IV 2007 & Central Electrical Authority by CED Notification No. CE1/1/59/cea/e1 of 20th Sep 2010, published in Gazette of India.

**Q7** Recommended are of use for High voltage insulation mats?
Our high voltage Volt-Safe/ Shock-Safe can be used in all kinds of electric substations, transformer rooms, lift machine room, switch gear rooms, electrical Panel rooms, A.C plant rooms, X-Ray Plant rooms, LT/HT Labs, Power Plants, Generator rooms Etc.