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ELECTRICAL INSULATING RUBBER MATTING

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IEC 61111:2009 ELECTRICAL INSULATION MATTING

This electrical safety matting is available in 5 different classes (0 – 4) and consists of a fine ribbed, non-slip surface with a cloth impression on the reverse. In accordance with the IEC 61111:2009 requirements, the underside of the mat consists of coded text to denote the working voltage and class. We supply the full class range: class 3 and 4 grades from 16000 volts working to 36000 volts working.

Key Features

- Anti-slip finish. Conforming to slip resistant test
- Resistant to acid, oil and low temperatures
- Ozone, UV and weather resistant
- Permanent marking – durable and un-erasable
- Fully traceable supply
- Low maintenance
- Highly durable & quality rubber compound







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AVAILABLE SIZE AND CLASSES

6mm thick x 1200mm wide x 10 meter long (roll) CLASS 3

Class 3	**16000V AC/ 16 KV**

8mm thick x 1200mm wide x 10 meter long (roll) CLASS 3

Class 3	**30000V AC/30KV**

10mm thick x 1000mm wide x 10 meter long (roll) CLASS 3

Class 3	**36000V AC/ 36 KV**

MANUFACTURED TO THE HIGHEST STANDARDS

During manufacture we regularly test the sheeting in order to ensure there is a standard of conformity running throughout the entire product.



Electrical Insulating Rubber Mat

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- Fully tested to specification IEC 61111:2009
- Provides safety for operators against electrical shock
- High electrical resistance up to 50 KV/50000 volts
- Suitable for both AC and DC applications
- Health and safety regulation halogen free, flame retardant material
- Highly flexible mats with self-gripping design
- Anti-fatigue properties, comfortable while standing for long periods

Class	Stock Thickness	Roll Size	Max. Use Voltage
3	6mm	1.2m x 10m	16000 Volts
3	8mm	1.2m x 10m	30000 Volts
3	10mm	1m x 10m	36000 Volts

*Please note: Class 3 IEC Electrical Insulation Matting held in stock.
Other thicknesses are also available upon request. Maximum thickness offered in any class is 14mm

Properties	Values
Material	Rubber Elastomer
Colour	Black
Hardness	65° (Shore A)
Density	1.4 (Specific Gravity)
Tensile Strength	70kg / cm^2 (Minimum)
Elongation Break Point	300% (Minimum)
Minimum Temperature	-40°C
Maximum Temperature	+70°C
Flame Retardant Test	(Pass) - Flame shall not reach any point on a 50mm circle
Acid Resistance Test	(Pass) - Min. 75% retention & no breakdown on specified voltage
Oil Resistance Test	(Pass) - Min. 75% retention & no breakdown on specified voltage

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HOW TO GET THE MOST OUT OF YOUR ELECTRICAL SAFETY MATTING

Increasing the life expectancy of the matting

Storage
Matting should be stored in a container or package. Care should be taken in order to ensure that the matting is not compressed, folded or stored in proximity to steam pipes, radiators or other sources of artificial heat or exposed to direct sunlight, artificial light or other sources of ozone. It is desirable that the ambient temperature be between 10°C and 21°C.

Transportation
It is recommended that the matting be packaged in an individual container of sufficient strength to properly protect the matting from damage.

Examination Before Use
Each time before use, the matting should be visually inspected. If the matting is thought to be unsafe, it should not be used and should be returned for testing or to be destroyed.

Precautions In Use
Matting should not be exposed unnecessarily to heat, light or to be allowed to come into contact with oil, grease, turpentine, white spirit or strong acid.

When rubber matting becomes soiled, it should be washed with warm water, soap and then dried thoroughly. If insulating compounds such as paint continue to stick to the mat, the affected parts should be wiped immediately with a suitable solvent, avoiding excessive solvent use, and then immediately washed and treated as described above.

Matting which becomes wet in use or by washing should be dried thoroughly, ensuring that the temperature of the matting does not exceed 65°C.