Details of marking ⚠ **IEC 61111 and in accordance with Category « C »**

FIELD OF USE

Protective equipment against electric shock.
Allows the operator to be isolated from the ground potential. The operator must be placed at the centre of the mat.
The insulating mat must be adapted to the maximum service voltage of the installation.

CHARACTERISTICS

- All references in accordance with **IEC 61111** standard and to specific properties of the **category « C »** for aptitude to bending at very low temperature (-40°C).
  The IEC 61111 standard is the only one international standard concerning insulating mat.
- High dielectric quality rubber material with non slip surfaces on both sides.
- Repetitive marking (every 400 mm) on the length of the insulating mat.

REFERENCE	IEC-61111	Thickness in mm	Length x Width in m	Weight in kg	Maximum service voltage in kV (1)	
					AC	DC
MP-11/11	class 0	2	1 x 1	2,9	1	1,5
MP-11/16	class 0	2	1 x 0,6	1,4	1	1,5
MP-100/02-10	class 0	2	10 x 1	29	1	1,5
MP-42/11	class 3	**3**	1 x 1	4,5	26,5	39,75
MP-42/16	class 3	**3**	1 x 0,6	2,9	26,5	39,75
MP-42/66	class 3	**3**	0,6 x 0,6	1,8	26,5	39,75
MP-60/03-5	class 3	**3**	5 x 0,6	14	26,5	39,75
MP-60/03-10	class 3	**3**	10 x 0,6	28	26,5	39,75
MP-100/03-5	class 3	**3**	5 x 1	25	26,5	39,75
MP-100/03-10	class 3	**3**	10 x 1	50	26,5	39,75
MP-60/05-5	class 4	**5**	5 x 0,6	28	36	54
MP-60/05-10	class 4	**5**	10 x 0,6	44	36	54
MP-100/05-5	class 4	**5**	5 x 1	45	36	54
MP-100/05-10	class 4	**5**	10 x 1	89	36	54
MP-60/05-1	class 4	**5**	1 x 0,6	4,5	36	54

(2) Correspond, on multiphase circuits, to the nominal voltage phase to phase. If there is no multiphase exposure in the installation area, and if the voltage exposure is limited to the phase to ground potential, the phase to ground potential shall be considered to be the nominal voltage.

Recommendations for use according IEC 61111 standard « Live working. Electrical insulating mats ».

The following is for guidance only concerning the maintenance, inspection, retest and use of electrical insulating mats after purchase.

In cases where mats are not used for live working applications or when the following recommendations cannot be followed, mats are not suitable for live working.

Storage / Transportation

Store and transport electrical insulating mats in order to protect the insulating material. Do not compress or bent the mats. Do not store or use mats in the vicinity of heat sources. Do not expose mats to direct sun, artificial light or other sources of ozone.

Storage temperature must be between +10°C and +21°C.

Marking

Insulating mats delivered in roll must be cut in a way that the marking remains visible.

Before use

Inspect visually each side of electrical insulating mats before use. If mat is dirty, wash it with soap and water and dry it with respect of the operating temperature range.

In use

Operating temperature between -40°C and +55°C. Avoid contact with chemical, solvents and strong acids. Place mats on clean and smooth floor free of aggressive elements for the insulating material.

Place the feet in the center of the mat.

Periodic examination and electrical testing

Electrical insulating mats, even the ones in store, which have not been used for 12 month must be visually inspected and electrically tested (type test).

The electrical test is prescribed for all classes with the exception of class 0.

Only visual inspection is prescribed for class 0.

The test organism (user or certified laboratory) should add a marking with examination date ongoing or the next required examination date.

Class of electrical insulating blanket	Type test	
	Voltage kV	Duration minute
0	Visually inspected	
1	10	
2	20	1
3	30	
4	40	
+ test requirements according IEC 61111		