

Testmate Insulated Shroud Mat

Key Parameters

- Electrical Class 0 (1kV AC working voltage)
- Compliant with BS EN 61112:2009 Live working
 - Electrical insulating mats voltage proof test (5kV AC)
- Compliant with BS EN 61112:2009 Live working
 - Electrical insulating mats flame retardance test

Specification

1. General

Electrical insulating mats are designed and manufactured to contribute to the safety of the users provided they are used by skilled persons, in accordance with safe methods of work and the instructions for use.

2. Classification

The electrical insulating mats comply with electrical class 0 – (1000 V AC)
The working temperature range is -10°C to +55°C

3 Physical requirements

3.1 Composition

The electrical insulating mat is manufactured of elastomer.

3.2 Shape

The electrical insulating mats are rectangular in shape. They are of plain design with no holes, slots or reinforcement. The electrical insulating mats may be cut for individual applications.

3.3 Dimensions and tolerances

3.3.1 Length and width

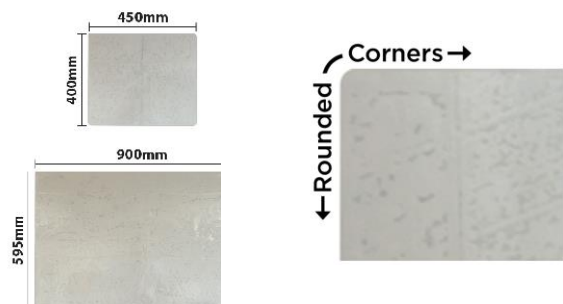
Size 1: 900mm x 595mm

Size 2: 450mm x 400mm

Available in rolls, 1m wide x 20m (nom) long

3.3.2 Thickness

All mats are nominally 1mm thick.



3.3.3 Rounded Corners

Rounded corners to minimise cosmetic damage to property.

3.4 Workmanship and finish

Electrical insulating mats are free from harmful physical irregularities on both surfaces that can be detected by thorough test and/or inspection. Harmful physical irregularities are defined as any feature that disrupts the uniform, smooth surface contour, such as pinholes, cracks, blisters, cuts, conductive embedded foreign matter, creases, pinch marks and voids (entrapped air).

4. Mechanical, climatic and environmental requirements

The electrical insulating mats are manufactured to meet the mechanical, climatic and environmental stresses occurring during normal working conditions. The electrical insulating mats are also resistant to acid and oil. The electrical insulating mats comply with the Flame Retardance Test specified in BS EN 61112:2009.

4.5 Dielectric requirements

The electrical insulating mats are capable of withstanding the electrical stresses according to electrical class 0. The electrical insulating mats comply with the Voltage proof test defined in BS EN 61112:2009 (5kV AC)

4.6 Marking

The electrical insulating mats are not marked.

4.7 Packaging

The electrical insulating mats are shipped rolled or flat to ensure no damage is caused during transportation. It is the user's responsibility to store the mats in a suitable manner – especially for any cut pieces.

4.8 Instructions for use

4.8.1 General

This section provides guidance for the maintenance, inspection, retest and use of electrical insulating mats.

Storage

The mats must be stored in a way that does not damage either surface. In particular, the mat must not be punctured or folded in a way that causes cracking. Ideally, the mats will be stored flat or in a loose roll in a temperature between 10°C and 21°C.

Examination before use

Before each use, both sides of each mat should be checked for damage that may affect the dielectric characteristics such as cracks, tears, small pinholes or surface abrasion.

Operating Temperature

The working temperature range is -10°C to +55°C

Precautions in Use

Electrical insulating mats should not be exposed to heat, light or chemicals. If the mat becomes lightly soiled, it may be cleaned in soapy water and thoroughly dried. Solvents must not be used to clean the mat.

Electrical insulating mats are not intended to be walked on

Order Codes: TES/SHROUD-SMALL (std)
TES/SHROUD-LARGE (std)
TES/SHROUD-ROLL (std)