

### General Advice

Marmoleum Ohmex is a static dissipative linoleum and must be installed in conjunction with a conductive adhesive and an earthing grid of copper tape adhered to the subfloor prior to installing the linoleum.

Marmoleum Ohmex is to be installed as you would install standard marmoleum, with the ESD requirements added. (Re copper strips/tape and using conductive adhesive). Copper tape is available from INZIDE.

Marmoleum Ohmex is Electro Static Dissipative which is  $10^6 - 10^8$  ohms. All normal marmoleum is anti-static only and has a body voltage according to ENI815 < 2 kv.

The subfloor is to be primed with a conductive primer using a suitable roller covering the entire floor area including the copper tape. The primer must be allowed to dry completely before installing the Marmoleum Ohmex in the usual manner. Conductive adhesive is to be applied using a V notched trowel with 2mm serrations at 6mm centres. Any surplus adhesive should be removed immediately using a clean cloth moistened with water. Dry spots of adhesive should be removed with white spirit. UZIN KE 2000SL is one recommended adhesive.

If welded seams are required, allow 24 hours for the adhesive to set, then weld using Marmoweld MC matching weld cable.

### Copper strip installation and layout

#### ■ General recommendations:

Copper tape for electrical grounding must be applied first, i.e. under the conductive adhesive. Preferably use Forbo copper tape, they are quicker to install and they provide best conductive adherence to the subfloor. The electrical connection to the grounding point(s) must always be made by a qualified electrician.

#### Layout for rooms smaller than $36m^2$ - *Figure 1*

Install fabric/copper grounding strap approximately 1 metre from the wall and into the wet adhesive with enough strap running up the wall to connect to the building earth. The strap must run the entire width of the room running crosswise to the direction of the Marmoleum Ohmex sheets.

#### Layout for rooms larger than $36m^2$ - *Figure 2*

At 6 metre intervals install fabric/copper grounding straps into wet adhesive the entire width of the room running crosswise to the direction of the Marmoleum Ohmex sheets. At side walls, run the grounding strap approximately 1 metre from the wall and overlapping the other straps running the entire length of room with enough strap running up the wall to connect to the building earth.

#### Points to note

If Marmoleum Ohmex is to be laid in large areas (over 200 sqm) or in partitioned areas then consideration should be given to the provision of several earthing points within the installation, e.g. at opposite corners or sides of large rooms. This will facilitate any subsequent testing that might be required on completion of the installation. Marmoleum Ohmex should not be treated with any polish or other surface seals as this may impair its conductive properties.

# Marmoleum Ohmex

## Installation Guidance note

### Points to note

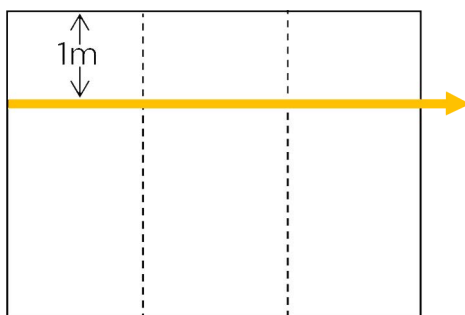
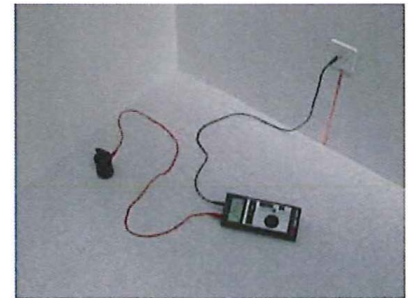
- All subfloor preparation and other installation techniques are as for standard Marmoleum.
- All connections to earth should be carried out by a qualified electrician.
- If Marmoleum Ohmex is to be laid in large areas (over 200sm) or in partitioned areas then consideration should be given to the provision of several earthing points within the installation, e.g. at opposite corners or sides of large rooms. This will facilitate any subsequent testing that might be required on completion of the installation.
- Marmoleum Ohmex should not be treated with any polish or other surface seals as this may impair its conductive properties

### Electrical resistance testing after installation:

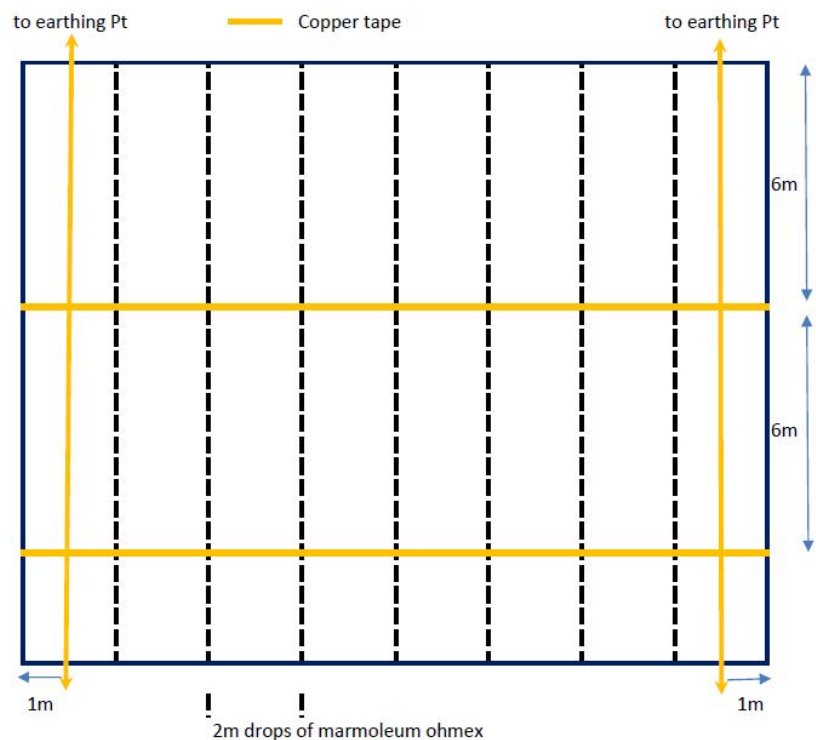
Point - to - ground electrical resistance tests according to approved relevant standards should not be carried out earlier than 14 days after installation.

First random control measurements can be made after 24 hours.

Electrical resistance readings may be higher than specified if the floor covering has been coated with wax, acrylic emulsions etc.



**Figure 1** - Copper tape layout for rooms <math>< 36\text{m}^2</math>



**Figure 2** - Copper tape layout for rooms >