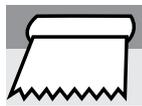


## GLUE-DOWN CONDUCTIVE FLOORING IN TILES (GLUING WITH ACRYLIC ADHESIVE) TECHNIC EL5



Ambient temperature  
Min: 10° C



Substrate temperature  
Min: 10° C

Before laying the flooring, it is a good idea to inspect it and to identify any problems with the appearance. If there are visible defects, please notify GERFLOR and wait to hear from them before laying the flooring.

### CONDUCTIVE FLOORING (ECF)

Laying with primer and acrylic adhesive + copper strip grid: code 0586 (length: 200 m)  
Store the adhesive, primer and tiles for 24 hours in the room where they will be fitted.

### SPECIFICATIONS

#### Specifications for conductive flooring:

- The electrical resistance of the flooring is between  $5 \times 10^4$  and  $10^6$  ohms for conductive flooring according to standard NF EN 13 415-NF EN 1081 (tripod method) or standard NF EN 61-340-4-1 (electrode method) or ASTM F 150 NF PA 99 (surface resistivity ESD S.1 and volume resistivity ESD S 7) or IEC 1340-4-1 (CNET Electrode).
- The adhesive manufacturer must guarantee the stability of the electrical resistance of the dry film which is given for a service life of more than 10 years.

#### Specifications for conductive flooring after laying (glue-down product)

The regulation requires a value of electrical resistance to earth between  $10^5$  and  $10^7$  ohms to take into account losses due to laying.

## 1. CHOICE OF JOINT TREATMENT

This material can only be heat-welded (at least 24 hours after gluing)

#### IMPORTANT

Joint treatment method for class E rooms:

CLASSIFICATION		PRODUCT
Pitting resistance		P3 at least
Finish	E2*	Joints heat-welded + caulked at the edges (leave a 3 mm gap to apply mastic)
	E3	Heat-welded joints + skirting according to the contractor's requirement.

See the section on FINISHES - "Joint treatments". \* Skirting must be installed after the flooring is laid.

## 2. LAYING

#### Preparation

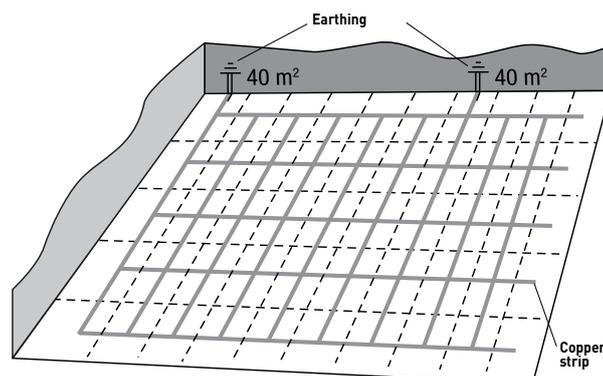
Because this flooring has specific electrical characteristics, it should be laid using the following method.

#### ■ 2.1 - APPLYING THE PRIMER

- Mix thoroughly before each application. Use a foam roller to apply a thin, even layer of a primer with a coverage of about 100 to 150 gr/m<sup>2</sup>.
- Leave to dry according to the adhesive manufacturer's instructions.

#### ■ 2.2 - LAYING THE STRIP

- Mark out preliminary lines for the layout of the strip. The copper strips are arranged along the medians of each tile and encircled around the edge of the room.
- Provide an outlet for earthing every 40 m<sup>2</sup> of flooring.
- The copper strip can be located later by telegraphing.



**IMPORTANT:** The information in this document is valid from: 01/04/2014 and is subject to change without notice. In the face of continuous technical improvements, before starting any work, our customers should check with us that this document is still in force.

## GLUE-DOWN CONDUCTIVE FLOORING IN TILES (GLUING WITH ACRYLIC ADHESIVE) TECHNIC EL5

### ■ 2.3 - APPLYING THE ADHESIVE

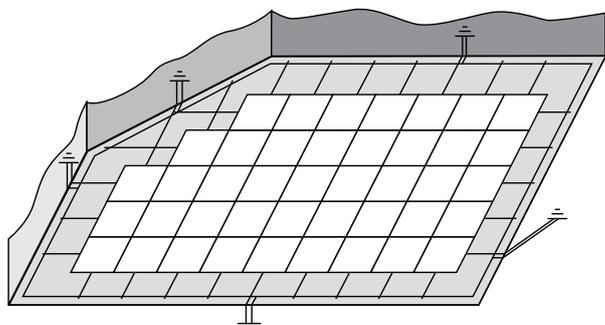
- Lay the flooring in single spread using an aqueous dispersion adhesive, using a finely serrated spatula.
- Coverage: about 300/350 g/m<sup>2</sup>, type A2 spatula (TKB specification). Change the spatula as often as necessary to keep to this coverage.

### ■ 2.4 - LAYING THE STRIP

Apply the strip as you work making sure the adhesive does not ooze out on top of the strip.

### ■ 2.5 - LAYING THE TILES

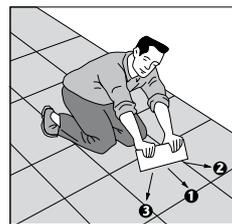
- Lay the first tile and continue in "staircase" pattern, following the lines you have marked out.
- Smooth carefully.
- For cuts around the edges, adjust so that the edge tiles are greater than or equal to half a tile.



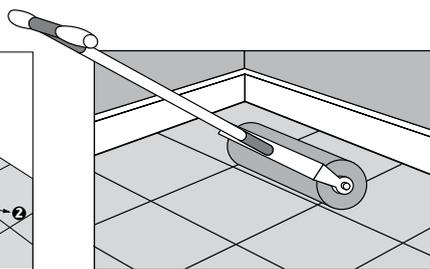
### ■ 2.6 - SMOOTHING

Smoothing must be done in two passes:

- Manually using a smoothing block.
- Careful smoothing over the entire surface using a smoothing roller (heavy), to flatten the lines of adhesive and to ensure that the adhesive coats the back of the flooring properly. This is done as the flooring is laid, and again after work is finished.



1st pass: manual smoothing



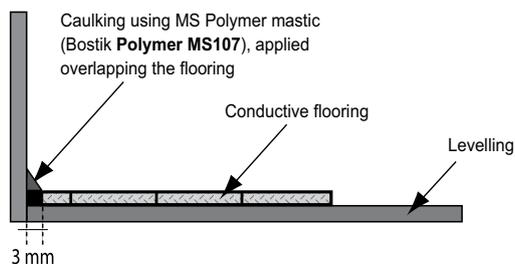
2nd pass: smooth with a roller

### ■ 2.6 - CAULKING

Installed according to classification: E2

Installed according to classification: E3

See the section on "FINISHES – Skirting".



### ■ 2.7 - JOINT TREATMENT

Heat welding is required for conductive flooring in tiles.

For welding the tiles, proceed as follows:

- Start for example CROSSWISE
  - Chamfering
  - Welding
  - Levelling
- Once this is done, finish LENGTHWISE
  - Chamfering
  - Welding
  - Levelling

This method allows to chamfer the cord that has been welded in the other direction and thus prevents lack of welding at the intersections of the tiles.

For the methodology, please refer to the heat welding of rolls.

### ■ 2.8 - TIME BEFORE FIRST USE

- For normal foot traffic, the floor can be used 48 hours after completion of work.
- For installing furniture or moving loads on wheels, wait 72 hours after completing the work
- Do not use rubber feet on furniture.
- Underfloor heating should be switched on 7 days after the flooring is laid.