

# LAYING TECHNIQUES FOR STATIC CONTROL TILES



In accordance with the local standards



*Before laying the flooring, examine it to detect any problems of a visual nature. If there is an aspect defect, inform Gerflor and do not start laying without its agreement.*

**ASTATIC (ASF) ANTISTATIC FLOORING < 2kW**  
Standard laying. These floorings do not need any special laying method. (No copper strip)

**DISSIPATIVE (DIF) AND CONDUCTIVE (ECF) FLOORING**  
Lay with conductive\* pre-coating, conductive adhesive, + copper strip: code 0586 (length: 200 lm )  
Store adhesive and rolls (unrolled and laid flat) 24 H in the area to be floored before laying.  
*\* Only in the case of an application with a conductive adhesive in aqueous phase*

## • 1 - CHOICE OF JOINT TREATMENT

This product must be installed with a coving system and welded at least 24h after gluing.

## • 2 - LAYING (METHOD B)

### Preliminary arrangements

As this flooring has special electrical properties, it should be laid using the following method.

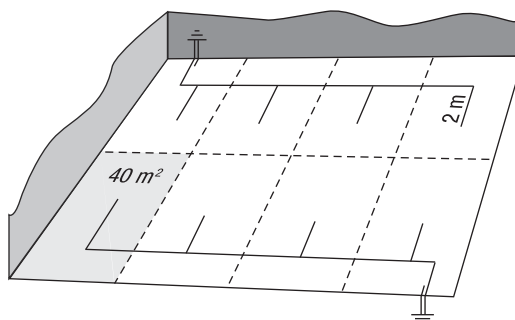
### 2.1 - Application of the conductive pre-coating

- Thoroughly mix the product before every application, then with a foam roller uniformly apply a thin coat of conductive primer at about 100 to 150 gr/m<sup>2</sup>.
- Let it dry in accordance with the adhesive manufacturer's recommendations.

**NB:** If a dual component reactive adhesive is used, DO NOT APPLY A CONDUCTIVE PRIMER (in aqueous phase)

### 2.2 - Installing the strip

- Put 2 lm of the strip every 40m<sup>2</sup>.
- Leave an end (of about 15 cm) for the electrician to connect to earth.
- The strip is laid on the pre-coating then embedded in the adhesive.
- We advise ring earthing the area 10 cm from the walls
- The copper strip remains visible by telegraphing after laying. This enables it to be located.



### 2.3 - Applying adhesive

- Spread the adhesive with a spatula (recommended by the adhesive manufacturer) on the surface compatible with its setting time.
- Take care not to cut or damage the strip when applying adhesive.
- Adhesive can be applied to the strip.
- Coverage: depends on the nature and composition of the adhesive (about 250 to 300 gr/m<sup>2</sup>).

## SPECIFICATION FOR BONDING CONDUCTIVE FLOORING

- The electrical resistance of the dry film of adhesive and the floor covering is between  $5 \times 10^4$  and  $10^7$  Ohms for conductive floorings and from  $10^7$  to  $10^9$  for dissipative floorings according to the NF EN 13 415-NF EN 1081 standard (tripod method) or the NF EN 61-340-4-1 standard (electrode method) or the ASTM F 150 NF PA 99 (superficial resistivity ESD S.1 and transversal resistivity ESD S 7) or CEI 1340-4-1 (CNET Electrode)
- The adhesive manufacturer must ensure the stability of the electrical resistance of the dry film which is given for a service life of over 10 years;
- Users' specifications require a value between  $5 \times 10^4$  and  $10^6$  Ohms on the sample flooring presented, because of the loss due to bonded laying and to the distance of the earth.

### 2.4 - Laying tiles

- Put the first tile in place then work in "steps" following the lines drawn.
- Stick them down carefully.
- Balance cuts around the outside so they are greater than or equal to half a tile.

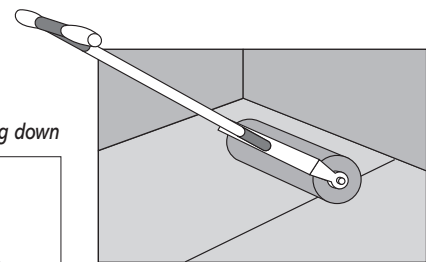
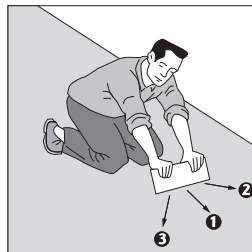
### 2.5 - Rolling out

This must be done in two stages:

- Manually, using a cork smoothing press
- Rolling out over the entire surface with a 50 Kg roller during the laying process, then when installation is complete.

A perfect bonding is important to ensure a good conductivity.

1st stage : manual sticking down



2nd stage : rolling down

### 2.6 - Treatment of joints

Seams must be hot welded

See "FINISHING chapter - treatment of joints". Heat welding flooring tiles.

### 2.7 - Sealing

As on the drawn or coving system

See "FINISHING chapter".

### 2.8 - Putting into service trafficking

- For normal foot traffic, flooring can be used 48 hours at least after completion of work.
- For installing furniture and wheeled loads, wait 72 hours after completing work
- Do not use rubber feet.
- Heated floors MUST be switched on 7 days after the flooring is laid

