

LAYING TECHNIQUES FOR STATIC CONTROL ROLLS



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 FLOORINGS < 2kW

Standard laying. These floorings do not need any special laying method. (No copper strip)

DISSIPATIVE (DIF) AND CONDUCTIVE (ECF) FLOORINGS

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 24 h after gluing

• 2 - LAYING

Preliminary arrangements

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

2.1 - Applying 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/m².
- 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

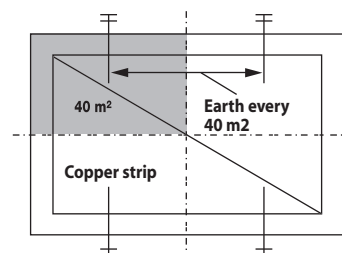
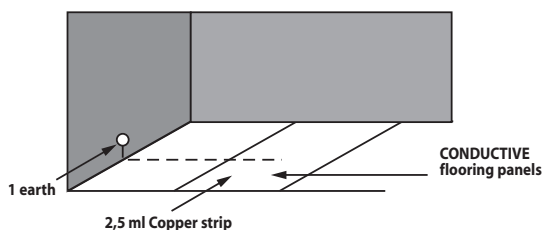
• Note the layout of the strip, in coordination with the electricity installer.

- Area ≤ 40 m²: a 2.5 lm copper strip spanning the two lengths laid and earthed is sufficient

- For a large area > 40 m²: a copper strip on the periphery and the long diagonal of the area is necessary.

This strip should be earthed every 40 m² (diagram opposite).

- Glue the substrate on the width of the strip with conductive adhesive (with the same adhesive as used for gluing the flooring). Apply the copper strip on the adhesive applied.
- After sticking down, eliminate excess adhesive either side of the strip.
- The copper strip remains visible by telegraphing after laying. This enables it to be located.



2.3 - Laying the flooring

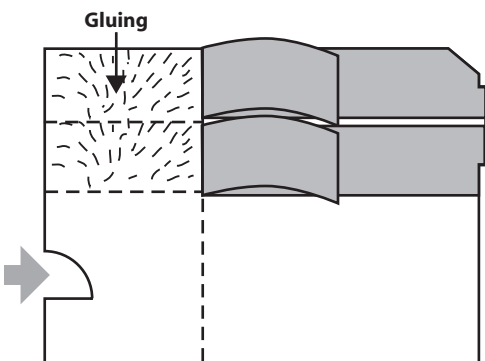
Unroll the lengths 24 h in advance in the area to be floored.
The joints between lengths, whenever possible, and bearing in mind the widths used, should not be in anticipated high traffic zones.
Lengths should run towards the wall with the main window or lengthways.

IMPORTANT :

- Laying direction: see general table.
- Heat welding: lay with a 1 mm space between lengths

2.4 - Gluing the substrate and laying the lengths

- Apply adhesive 24 hours after the flooring is laid
- Application is by simple gluing using conductive dispersion adhesives in the aqueous phase.
- Fold half the flooring back then apply the adhesive evenly and uniformly with a spatula (as recommended by the adhesive manufacturer) on the compatible surface.
- The adhesive can be applied to the strip.
- Coverage: depends on the nature and composition of the adhesive (about 250 to 300 gr/m²). To achieve this rate, it is necessary to change the spatula regularly.
- Take care not to cut or damage the strip when applying adhesive



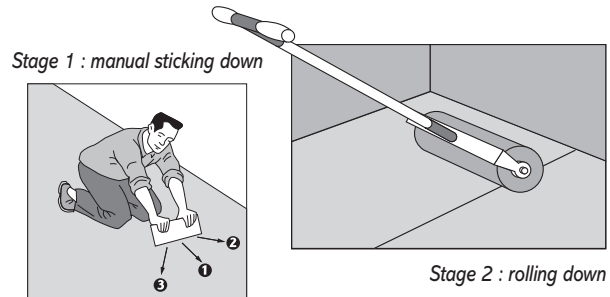
Fold back half the lengths to glue the substrate

- Apply the material following the marks.
- Fold back the second halves and repeat the procedure.
- Do not overlap two films of adhesive when resuming gluing.
- Remove traces of fresh adhesive as work progresses.

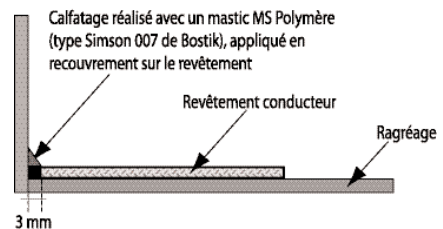
2.5 - Rolling out

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.



2.6 - Sealing



Laying without coving: follow the drawn

Laying with coving system: See "FINISHING chapter — coving".

2.7 - Treatment of joints

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

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

SPECIFICATION FOR BONDING CONDUCTIVE FLOORING

- The electrical resistance of the dry film of adhesive and the floor covering is between 5×10^4 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 5×10^4 and 10^6 Ohms on the sample flooring presented, because of the loss due to bonded laying and to the distance of the earth.