

[422] LOOSE-LAY OF FLOOR COVERINGS WITH ELECTRICAL PROPERTIES, USING GTI EL5 CONNECT TILES



Ambient temperature
Minimum: 10° C



Substrate temperature
Minimum: 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.

MATERIALS	FORMAT	CODE	NOTES
GTI EL5 Connect	635 X 635 / Th 6 mm	2713 followed by colour code	
Copper strip	L 10 mm / Th 0.08 mm	0586 0001	self tape copper strip is not permitted
GTI EL5 CONNECT ACCESS	635 mm / 320 mm	2717 followed by colour code	
GTI EL5 CONNECT CORNER	320 mm / 320 mm	2718 followed by colour code	
GTI finishing profile		H 202	
Dead blow hammer		050 80 001	

ANTISTATIC ASTATIC FLOORINGS (ASF) < 2kW

Standard fitting. These floorings do not require any specific fitting method. (No copper strip required)

DISSIPATIVE (DIF) AND CONDUCTIVE (ECF) FLOORINGS

Fitted with copper strip: code 0586 (length: 200 ml)

Store the tiles for 24 hours in the room where they will be fitted.

REQUIREMENT SPECIFICATION FOR CONDUCTIVE FLOORINGS:

It is the responsibility of the client and/or contractor to set out the applicable standard in the requirement specification.

METHODS FOR RESILIENT FLOOR COVERINGS:

Europe: EN 1081. Transverse resistance and surface resistance on tripod

USA: ASTM F150 /NFPA 99 (2 cylindrical electrode)

METHODS FOR ELECTRICAL INDUSTRIES:

Europe: CEI 61340-4-1

USA: ANSI/ESD S 7.1

For all other methods, see F Material technique

1. CHOICE OF JOINT TREATMENT

This material is mechanically interlocked, **without skirting**.

2. LAYING

Preparation

Moisture content 7% at 4 cm with a carbide bomb test.

This flooring must not be laid in rooms subject to temperature fluctuations greater than 20°.

This flooring does not remove the need to prepare the substrate.

It must be laid on a DTU 13.3 compliant substrate.

To guarantee good conductivity, you must ensure that the substrate is level.

Because this flooring has specific electrical characteristics, you are recommended to lay it as follows.

■ 2.1 - LAYING THE STRIP

- Lay one copper strip for every 3 rows as you lay the tiles and in one

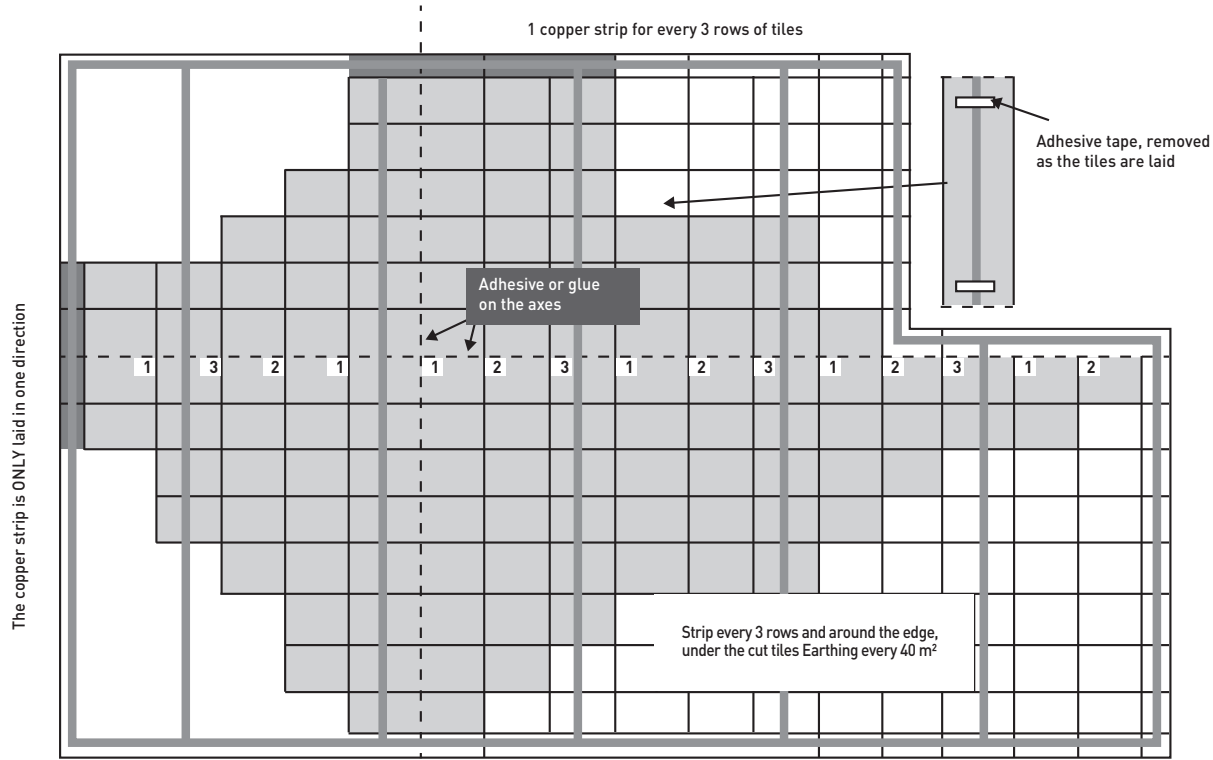
direction only. Lay a copper strip around the edge of the room.

Use adhesive tape to hold the strips in place, removing the tape as you lay the flooring.

- Leave some extra length at the end (about 15 cm) so the electrician can connect it to earth for every 40 m².
- Encircle the room with a copper strip around the edge.
- The copper strip can be located later with remote imaging.

Do not use adhesive copper strip as the incomplete contact with the back of the material may impair the earth, depending on how level the substrate is.

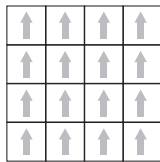
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2.2 - LAYING THE TILES

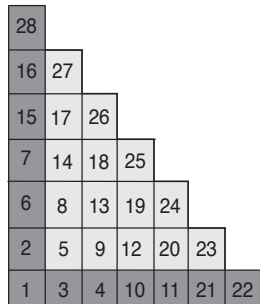
• Precautions

- 1- The tiles are supplied on pallets. Different batches must not be mixed together
- 2- Laying direction: Tiles are ALL laid in the same direction. Observe the direction indicated by the area on the back of the tile.
- 3- Pressed materials, such as GTI tiles, may have dimensional



tolerances between series or between colours. In this case, the tiles can become slightly offset. Therefore, the entire row of tiles must be overlapped to continue laying.

- Mark out the axes on the ground
 - Interlock the tiles, laying them all in the same direction
- Follow the axes you marked out, laying the tiles in a staircase pattern. As you move forward, remove the adhesive tape holding the strips.



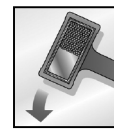
2.3 - INTERLOCKING (INSTRUCTIONS, TOOLS, ETC.)

To interlock the tiles, strike them with a plastic hammer.

- The tiles are arranged on the substrate and interlocked from the angle to the edge
- Position all the tiles in the same direction, following the arrows on the back of the flooring

TOOLS REQUIRED:

Cutter - Tape measure - Metal ruler - Jigsaw - Circular saw - Synthetic resin mallet - Dead blow hammer



	GERFLOR	JANSER	ROMUS	WOLFF
Synthetic mallet	-	262 468 000	94 959	731470 000
Dead blow hammer	0508 0001	-	-	-

2.4 - CUTTING (INSTRUCTIONS, TOOLS, ETC.)

Use a cutter (make one marking cut and two surface cuts before snapping the tile).

To help, you are recommended to heat the material with a hot-air paint stripper.

This method means that no jigsaw is necessary.

More difficult cuts (door frames, etc.) may be made using a jigsaw or high leverage nippers.

If there is a lot of cutting, we recommend keeping a circular saw on site.

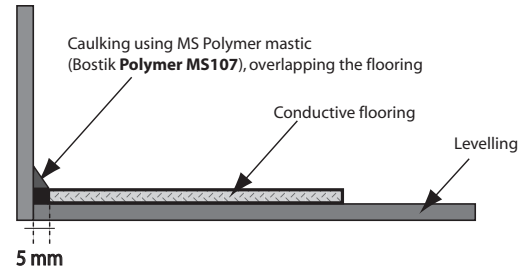
- Tiles laid to guidelines
- Order of laying other tiles

FLOORS IN BUILDINGS

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2.5 - EDGING

- Map out the room to balance the cuts at the edges. The cut tiles must be at least half a tile wide. Leave a space of **5 mm along the walls**. Compression of the mastic is included in the gap. Caulk the edges with M S POLYMER mastic



3. SPECIAL FEATURES

3.1 - SKIRTING

Gerflor flexible skirting or VYNAFLEX skirting to finish the junction between floor and wall.

3.2 - EXPANSION JOINTS IN SUBSTRATE

3.2.1 Structural expansion joints recessed in the tiling

The two tiling areas are completely level. Install the recessed expansion joints, type CJ 20+0 from ROMUS or similar. GTI EL5 Connect tiles loose-lay, so it is not necessary to stop on either side of the expansion joint.

3.2.2 Covering expansion joints installed after GTI tiles are laid

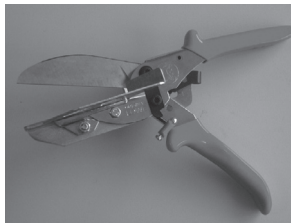
In this case, the two areas of tiling on each side of the expansion joint must be treated as separate rooms, so a copper edging strip is required on both sides of the expansion joint cover. The profile extends over the flooring and is fixed on one side only.

3.3 - CUTTING AROUND DOOR FRAMES AND OTHER FEATURES



Gripper shear

Reference: Gerflor: 0566 0001 / Janser: 237 530 000
For cutting around door frames and awkward places.
Available from Gerflor.



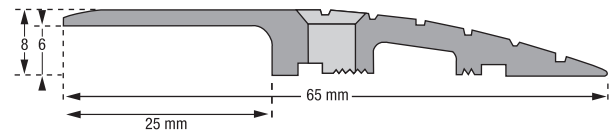
High leverage gripper shear

Reference: Janser: 262 284 000
For cutting around door frames and awkward places.

3.4- ENDS AND DOORWAYS

Use the following profiles depending on conditions of use: traffic, humidity, etc.

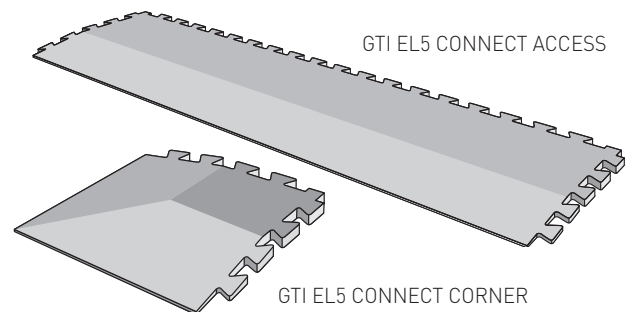
3.4.1 Heavy traffic, pallet trucks, etc.



H0505 finishing profile

3.4.2 Moderate traffic

GTI EL5 CONNECT ACCESS AND CORNER		
GTI EL5 CONNECT ACCESS	635 mm / 320 mm	Code: 2717 followed by colour code
GTI EL5 CONNECT CORNER	320 mm / 320 mm	Code: 2718 followed by colour code



These accessories must be glued down, either using a 2 components PU adhesive and weighted until the adhesive sets (6 to 12 hours), or using an acrylic double bonding adhesive.

4. REPAIRS

If a tile needs to be replaced:

- Cut a dovetail
- Disengage the dovetails
- Replace with a new tile

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5. FIRST USE

- For normal traffic, the floor can be walked on immediately after it is laid.
- To move furniture, lay panels to distribute the load.
- Do not allow rubber feet to be used on furniture.

6. UNDERFLOOR HEATING

- Underfloor heating should be turned up gradually over the seven days after the flooring is laid.

7. MAINTENANCE

FINAL CLEANING

The floor covering can be used as soon as it is laid, but take these precautions:

- Wait at least 24 hours after installing the flooring to clean it
- Remove dust and particles using a broom or an industrial vacuum cleaner
- Clean the floor with a scrubber drier using an alkaline detergent
- Rinse with clean water to remove all traces of the detergent
- Leave to dry

NB: DO NOT USE TOO MUCH WATER ON THE FLOORING TO PREVENT WATER PENETRATING BETWEEN THE TILES.

DAILY CARE

Refer to the care sheet for the product.