

[419] GLUE-DOWN CONDUCTIVE FLOORING IN ROLLS ELEGANCE EL5 WITH ACRYLIC ADHESIVE



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 Belgotex and wait to hear from them before laying the flooring.

CONDUCTIVE FLOORING (ECF)

If the substrate is porous, apply an acrylic primer. Glue down using an acrylic adhesive + copper strip: code 0586 (length: 200 m) crosswise in relation to the rolls and spaced no more than 10 m apart. Store the adhesive and rolls (unrolled and laid flat) for 24 hours in advance in the room where they will be fitted.

SPECIFICATIONS

Specification for the glue-down of conductive flooring:

- 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.
- 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.

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 methods applied, please refer to our last Technical Datasheet on Elegance EL5.

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:

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

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	Joints heat-welded + skirting

2. LAYING

Preparation

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

It must be laid on a substrate compliant with DTU 13.3 (paragraphs 8.2 and 8.3).

To guarantee good conductivity, you must ensure that the substrate is level. Because this flooring has specific electrical characteristics, it should be laid using the following method.

■ 2.1 - APPLYING THE PRIMER (IF NECESSARY)

- Mix thoroughly before each application. Use a roller to apply a thin, even layer of aqueous phase primer with a coverage of about 100 to 150 gr/m².
- Leave to dry according to the adhesive manufacturer's instructions.

■ 2.2 - EARTHING THE STRIP

Coordinate the arrangement of earth connections with the electric power company before you start laying the flooring.

An earthing strip must be provided.

■ 2.3 - LAYING THE FLOORING

Unroll the flooring 24 hours in advance in the room where it will be fitted.

As far as possible, and taking account of the roll width, joints between rolls must be situated away from areas of heavy traffic. The rolls must run towards the wall with the main window, or lengthways. Take account of the position of the earth connections.

IMPORTANT: • Laying direction: Same direction see general table.

- Heat welding: leave a space of 1 mm between the rolls.

■ 2.4 - APPLYING ADHESIVE TO THE SUBSTRATE AND LAYING THE ROLLS

- Apply adhesive 24 hours after positioning the rolls.
- Lay the flooring in single spread using an aqueous dispersion adhesive (acrylic).
- Fold the rolls in half, then apply the adhesive evenly using an A 2 spatula (TKB standard).
- Coverage: depending on the type and composition of the adhesive (about 300 to 350 gr/m²). The spatula will need to be changed regularly to maintain this coverage.
- Lay the rolls after the specified drying time.
- Fold back the other halves and follow the same steps.
- Do not overlap two adhesive films when you apply more adhesive.
- As you work, remove any fresh adhesive left behind.

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2.5 - LAYING THE COPPER STRIP

Lay the copper strip **CROSSWISE** underneath all the rolls.
Place the copper strip on the adhesive as you lay the rolls.

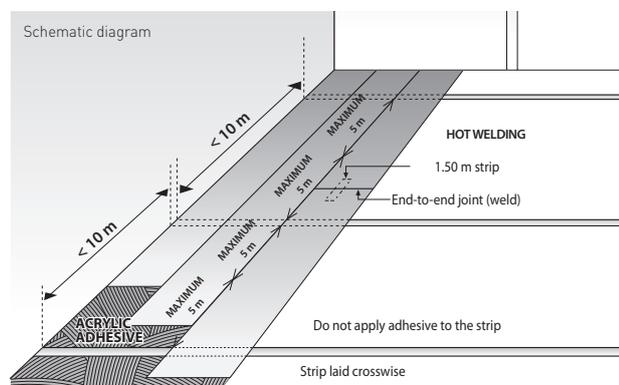
The furthest point from the continuous strip must not be > 5 m

If there is an end-to-end joint, place a 1.50 m wide strip across the two rolls.

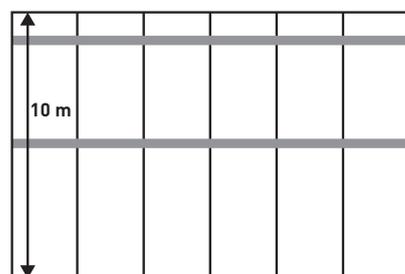
The copper strip must **ONLY** be laid after the specified drying time, without excessive smoothing in order not to displace the adhesive underneath.

After laying the strip, make sure there is no adhesive on top before folding back the rolls.

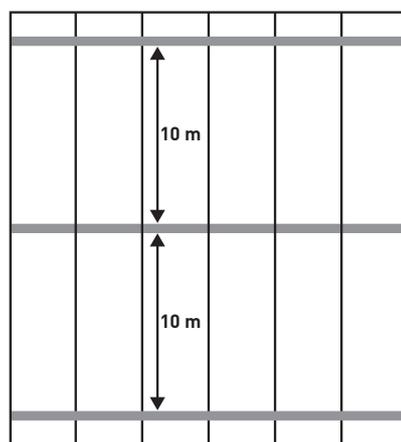
- The copper strip can be located later by telegraphing.



DIFFERENT SCENARIOS



Room <math>< 10\text{ m}</math>
(lengthwise of the rolls)
1 copper strip running crosswise
positioned in the room



Room >math>10\text{ m}</math>
Apply 1 copper strip every 10m
There must not be more than 10m
between the measuring point
and the copper strip

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.
- Crosswise smoothing over the copper strip

This is done as the flooring is laid, and again after work is finished.

2.7 - JOINT TREATMENT

The flooring is heat welded 24 hours after is is glued down.
See the section on "FINISHES - Joint treatments".

2.8 - CAULKING

Installed according to classification: E2

This classification requires edging and/or caulking.

Installed according to classification: E3

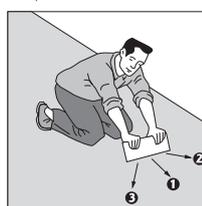
This classification requires skirting.

See the section on "FINISHES - Skirting".

2.9 - 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.

1st pass: manual smoothing



2nd pass: smooth with a roller

