

# GLOBALFLOR® BATNETT® S3

## CONDUCTIVE FLOORING INSTALLATION INSTRUCTIONS

### 1. Subfloor inspection, fix and strength

Warning: Subfloor inspection is the responsibility of the installer. It protects yourself against claims and technical problems.

The installer needs to carry out all necessary subfloor tests prior to flooring installation, and ensure the unqualified subfloor can be repaired, to meet the install requirement. If the customer refuse to repair the defect of subfloor, the installer should refuse to continue installation.

The time to repair the flooring system must be quite more than repair the subfloor!

The subfloor must be clean, hard, flat (height difference between each two meters must be less than 2mm) and free from all types of marks, debris and residues (oil paint, dyestuff, wax...), and not exposed to humidity. Long handled scraper knife, polisher and dust collector are very important tools.



Warning: Without the agreement from designer, don't fill any fix materials such as double component polyurethane

repair adhesive and stainless-steel bar in any expansion joint.

Please refer to your local building material installation standards for detailed rules and control methods.

- Underfloor heating should stop from min. 48 hours before installation and maintain the temperature in the room with an alternative heating source. Remain turned off for 6~7 days and then ramped up.



- Primer is used before self-leveling cement, to close the pore and crack on subfloor, reduce the absorptive character, at the same time, it can increase the adhesive ability between subfloor and adhesive.

Warning: Choose suitable primer according to absorbent subfloor and non-absorbent subfloor.

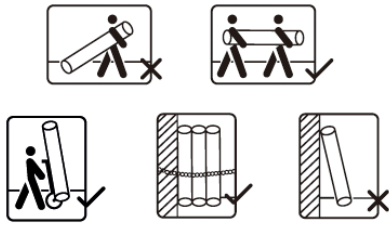
- Use self-leveling to ensure the subfloor is flat and strengthen enough before install vinyl flooring. Inspect the flatness again and make sure the height difference is less than 2mm. After coating self-leveling, please use long tine spiked roller to move the inside air bubbles.

Warning: Primer and self-leveling cement should be

used according to their official instructions.

## 2. Before installation

Here are correct methods to carry and store any roll type vinyl flooring, no matter it is in your warehouse or at construction site. Please store all the rolls upright in a safe position to avoid any damage.



Vinyl flooring is easily affected by construction site condition. Before laying, make the flooring materials adapt to construction site condition. Temperature should reach at least 15°C, the relative air humidity should be 30%~60%. Rolls must be stored indoors at least 24 hours before installation, preferably 48 hours.



Installation should be carried out at room temperature between 18°C~26°C. Subfloor temperature must be at least 15°C. The relative air humidity should be 35%~65%. Keep same temperature at least 72 hours after installation.

If the materials from several rolls are used, supplier should make sure they have the same production batch number and be used in consecutive order. If supplier must dispatch the rolls with different production batch, to avoid color difference, installer should use them in different floors, different rooms or different area.

## 3. Flooring installation

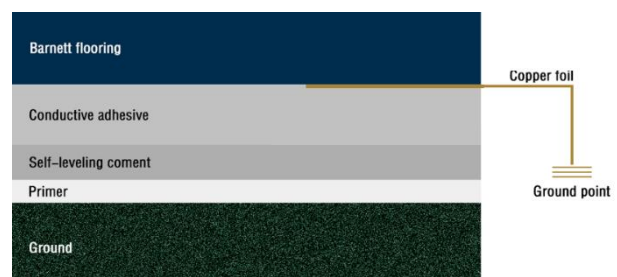
<Draw Lines> drawing the baseline and lines for the layout of copper strip. The copper strips are arranged along the medians of each flooring piece and encircled around the edge of the room. Recommend copper strip grid is 1m\*2m for Barnett® S3.



<Apply Conductive Adhesive> adhesive should be applied on the ground and copper strip. The coating should be uniform and comprehensive, adhesive should be dried naturally after applying. Globalflor provides 181 conductive type floor covering adhesive for Barnett® S3 installation.

<Install Copper Strip> copper strip should be laid based on the drawn lines. The cross-section of copper strip should be at the center of Barnett®. The strip shall be laid flat, and the line connected to outlet for earthing should be left long enough.

<Install Flooring> when adhesive is dried to the point where it is not sticky, laying should be started. Follow the baseline and start laying. Apply non-standard flooring pieces to the edge.



<Lead Outlet for Earthing> when the laying arrives earthing place, lead cooper strips out and connect to grounding terminal by soldering or crimping method.

<Make U-shaped Groove> when all flooring has been laid successfully, the groove should be opened with a slotting machine along the seam of conductive tiles. The groove line should be straight and uniform, and the groove depth is about 2/3 of the thickness.



Warning: Do not weld until the adhesive has bonded completely, wait 24h~48h.

<Install Welding Rod> apply plastic welding gun to the groove, making hot-weld rod onto the flooring. The welding excess is flattened with knife, but the surface of the tile must not be scratched.

<Surface Cleaning> after the laying is completed, clean the floor and apply anti-static wax for protection (if necessary).

#### **4. Edge**

To avoid bacteria breeding and achieve dust prevention, the sheet flooring can install up to the wall. (Instead of skirting directly)