

UPOFLOOR ESTRAD ESD

Relative humidity of the concrete floor must not exceed RH 85 % (< 2.0 % CM). Temperature during installation and that of subfloor and material should be at least +18 °C (68 °F). Before installing the flooring, it must be ensured that the final leveling compounds have dried sufficiently.

The backside of flooring has sufficient conductive properties; **conductive adhesive is not required for installation**. For the same reason, a metal grid on the subfloor is unnecessary. **Floor covering must be installed with some of accepted flooring adhesive: Thomsit K188E, Bostic StarTac ST, Casco Universal/Shönox Emiclassic, Mapei V4SP.**

Conductivity between lengths of flooring is ensured by using short-circuit copper strip measuring approx. 30x165 mm, S £ 0,1 mm (S=thickness). One or two strips are used per two running meters of seam. Strips should be placed at both ends of the seam near the wall, but not immediately in front of a door. The copper strips must be clean and **there should be no adhesive between the flooring and the strips**.

The flooring is earthed via a copper strip 60x200 mm, fitted between the flooring and connected to a suitable conductor. This is done by an electrician. Areas up to 100 m² should be fitted with two earthing strips, while larger areas should have one extra strip per 100 m² or fraction thereof. Separate areas should be earthed by from their own earthing point. All copper strips are delivered in the core of rolls.

Adhesive is applied using a fine-toothed trowel and the amount of adhesive should be 150–250 g/m². Installation is performed using semi-wet gluing method, paying attention to the absorbency of subfloor, the adhesive and conditions. The floor covering must not be installed on top of existing floor covering.

When installing on solid unabsorbing subfloor leveling compound layer have to be thick enough. Layer must create even and equally absorbing layer for adhesive. Usually this does mean that minimum 2 mm thick layer is required. Before installation make sure all leveling compound has completely dried.

With heated floor construction it is possible that moisture will condensate below surface material if material is significantly colder than floor construction. Special care should be used to not over heating floor construction. Few days before installation temperature of the subfloor will be decreased on the installation level and temperature have to remain steady one week after installation. After that it is possible to rise temperature carefully step by step. Notice that ultimate maximum temperature is +28 °C.

When installed over wooden or other sheet board structure, subfloor producers instructions have to be followed to ensure moisture balancing and minimized movement in subfloor.

Use only same batch number materials in same room. If necessary, edges should be trimmed to ensure tight joint between sheets.

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The floor must be rolled while the adhesive is still fresh. The weight of the roll should be 50-70 kg. Rolling prevents the emergence of adhesive trowel marks and indentations on the finished floor surface. Avoid traffic on the floor and do not move furniture until the adhesive is totally dry.

Seams are to be heat welded using own welding rod of the product minimum 24 hour after installing flooring material. Also corners should be welded. To avoid differences in gloss, use a suitable welding temperature and speed. Suitable speed and temperature can be tested to not visible area or to small installing waste pieces. **Notice that it is recommended to use welding temperatures high enough and welding speed low enough to ensure necessary strength of the seam.** Warming up the material before cutting and fitting is recommended. Using too high temperature when warming up the material for coving may damage the flooring surface.

After installation, the floor surface should be carefully protected against construction-period loads and stresses with an appropriate material for the purpose. The protective materials should be taped to each other only – not to the surface of the flooring!

Upofloor will not be responsible for the functionality of the floor if the aforementioned instructions are not followed.

Occasionally, the flooring may show some individual chips of deviating colours.