



## INSTALLATION INSTRUCTION

### Zero Sheet, Zero & Green

#### GENERALLY

When installing the floor, the room temperature should be between +18-25°C (optimal temperature is +20-22°C) and the relative humidity should be 25-70%. The flooring material must be acclimatized in the room at least 24 hours before installation and must be stored in an upright position. The room temperature should be maintained for at least 72 hours after assembly. Avoid loading the floor the first day after installation.

If underfloor heating is installed, check the temperature a few days before installation so that the temperature reaches the installation temperature and maintain the same temperature during installation and the curing time of the adhesive (approx. 1 week). Then turn on the heat and increase the temperature gently and gradually. Flooring and adhesive film may be exposed to a maximum of +27°C.

If material from several rolls is used, they shall have the same color number (1) and shade/batch number (2). Take advantage of the roll numbering (3) by installing adjacent rollers close to each other. The length (m) and quantity (m<sup>2</sup>) of the roll are indicated on the label (4).



Use only materials from the same batch number in the same room. If necessary, trim the edges to ensure tight joints between the sheets.

#### SUBFLOOR

The sheet is advantageously installed on a screed base that is firm, even, clean, dry and crack-free. Sheet should not be mounted on top of an existing floor covering. For concrete substrates, a maximum of 85% RH applies to laying, which must be measured according to local instructions and current standards. The temperature of the subfloor and flooring material must be at least +18°C. Dust, loose particles, adhesion-impairing stains or spills from paint, oil or the like are removed.

The surface of the concrete floor is removed from adhesive substances and primed in accordance with the manufacturer's instructions. The floor should be levelled with a sufficiently thick and suitable low-alkaline levelling compound. In general, a floor layer of 5 mm is considered sufficient and the recommended levelling layer thickness. The surface of the floor should be strong and solid. It is not allowed to install a coating on a flourey floor surface. Before installation, you also need to make sure that the floor is dry.

If the self-levelled surface has unevenness in it, it may need to be filled by hand. In this case, make sure that the screed has sufficient strength for the use of the premises, especially on floors where rolling chair wheels loads are present. Very thin layers of screed should be avoided, as they are often weak.

When laying on a solid/solid non-absorbent substrate, make sure that it is a sufficiently thick levelling compound of at least 2-3 mm that enables an even absorbent substrate for the adhesive. It is worth checking with the manufacturer for the necessary recommended primer layers.

If the sheet is installed on chipboard, be aware that joints in chipboard and similar subfloors can be seen through if the installation of the subfloor is not carried out carefully and according to the supplier's instructions. When laying on board, it is assumed that the substrate has an 8% moisture content (which corresponds to 40% RH at +20°C), so that no movements occur that can later cause damage.

When installing on floor plasterboard, levelling compound layer thick enough must be used on top of the plasterboard in order to obtain sufficient strength before the floor is laid. The flooring sheet cannot be glued directly to the plasterboard.

#### INSTALLING

The floor covering should be laid only with a recommended glue. Up-to-date adhesives can be found on the website under installation instructions: <https://www.kahr.com/en/how-to/install-resilient-floors/Suitable Adhesives>

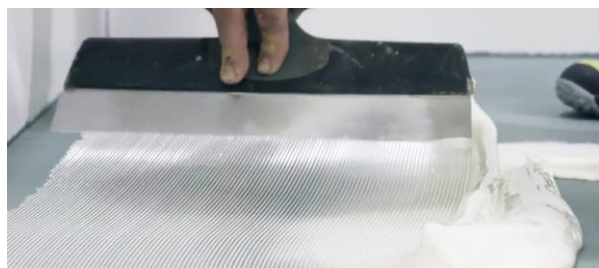
The manufacturer does not take responsibility for functionality if other adhesives are used for floor covering

At a high RH of over 85%, a suitable primer can be applied to the concrete before levelling compound is applied. The primer acts as a moisture barrier and allows sheet to be installed on the floor with the adhesives recommended.

If higher temperature or moisture resistance is needed, special adhesives can be used. These adhesives may work differently than commonly used adhesives and it is important that the adhesive manufacturer's instructions are followed. Suitable special adhesives are also mentioned in the adhesive recommendation on the website.

The main rule is that no new one should be installed on top of the old floor covering. However, in light use for special needs, it is possible to use suitable self-adhesive films for tape installation. In this case, it should be noted that the substrate is clean and suitable for adhesive tape. When laying on top of a levelled floor, a suitable primer must be used to ensure adhesion for the adhesive film.

Make sure that the sheet is laid down when the glue is at its best, i.e. not immediately after applying the glue, nor after the glue has dried too much, i.e. the sheet is fixed with so-called semi-wet gluing. This ensures that no bubbles accumulate under the floor covering and adequate initial adhesion. When installing, the adhesive must still be fresh enough so that the adhesive sticks to the finger when the adhesive layer is pressed and spread during rolling after installation. The optimal time varies depending on the adhesive, the amount of glue, the absorbency of the substrate, temperature and humidity. The adhesive is applied with a fine-toothed adhesive trowel (e.g. TKB A2, A5, A1). The recommended amount of glue is about 200-250 g/m<sup>2</sup>. Refer to the recommendations of each adhesive manufacturer for up-to-date instructions. The adhesive should be applied in such a way that the contact area between the adhesive and the coating is large enough: most of the adhesive surface should be in contact with the floor covering. Initial adhesion of the adhesive is important for fold-ups (flash coverings) and floor drains. These critical areas can also be mounted with suitable double-sided mounting tape.



The floor must be rolled before the glue has dried so, that the glue no longer spreads. The weight of the roll should be from 50 to 70 kg. When lifting against the wall, the sheet is fixed by pressing the mat along the floor. Sheet should not be stretched at the corners and sharp tools should not be used. A suitable rounding radius of approx. 5–10 mm should remain in the corner. For larger radius support profiles should be used. Heat facilitates handling, but care must be taken not to overheat; The floor covering should not feel hot, just warm.



Avoid traffic on the floor and do not move any furniture until the glue has had time to dry out completely.

The joints and corners of the sheet are welded with Zero welding rod 24 hours after the installation of the flooring material. To create a strong tight seam, the sheets installed in the butt must be properly processed with a suitable groove tool. The U-groove should protrude about 3/4 of the thickness of the floor covering.



Use a suitable temperature (slightly higher than for PVC) when welding joints and maintain the correct welding speed to avoid changes in the surface protection. Use a welding nozzle with a lip to make good contact between the rod and the sheet. Test heating is highly recommended.



Allow the welding rod to cool slightly before cutting. Use a Mozart knife or moon knife with plate for rough cutting and a Mozart knife or moon knife for fine cutting. Be careful when soldering the Zero in fold-ups. The sheet must not be heated too much when folding it up and down, as this can cause damage to the floor.

Sometimes the sheet may contain individual granules in a different color, which is not seen as a defect.

Finally, check that the floor covering is free of adhesive residue and that no blisters have formed during installation. Cover the newly installed floors if construction activities are to continue. Tape the protective material on top of each other, never tape the protective covering directly to the floor. The adhesive on the tape can have a negative effect on the floor and some types of adhesives are very difficult to remove. Please consult with the tape supplier in case of doubt.

Any deviations (damaged or faulty material) must be reported immediately and should not be installed and must be sorted out. If there are any doubts before installation, always consult with us. Any returns must always be approved. Contact us beforehand for the right handling.