

Installation Manual Regupol® Kombi – outdoor sports flooring

Site Conditions

Installation should not begin until after all other trades are finished in the respective area. If the job requires other trades to work in the area after the installation of the floor, the floor must be protected with an appropriate cover such as heavy duty plastic foil.

Subfloor

The Regupol® Kombi sports flooring may be installed over asphalt or concrete bases.

Asphalt bases must be constructed in two layers of 40 + 30 mm minimum thickness and must provide the planarity and stability per DIN 18 035 standards. Asphalt sieve curve shall be formulated to achieve a dense wearing surface that is impermeable to water.

Concrete bases shall have a minimum compressive strength of 3000 psi, and must be fully cured and permanently dry. Only approved patching and/or levelling materials are acceptable.

Preparation

Base shall be dry, clean, smooth, level and structurally sound. It must be free of dust, solvent, paint, wax, oil, grease, sealers, curing and/or hardening compounds, alkaline slats, old adhesive residues and other extraneous materials.

Subfloors must be smooth to prevent irregularities, roughness or other defects from telegraphing through the new flooring. The surface must be flat to the equivalent of 4 mm in any 4 meter direction (preferably measured under a 4 meter aluminium “straight edge”).

Material Storage & Handling

The material should be delivered to the job site in its original, unopened packaging with all labels intact. Inspect all materials for visual defects before beginning the installation.

No labour claim will be honoured on material installed with visual defects! Verify the material delivered is the correct style, colour and quantity. Any discrepancies must be reported immediately prior to the start of the installation.

IMPORTANT: All rolls MUST be unrolled and installed in the same direction!

The roll material is stretched slightly during the manufacturing process. At the jobsite, the installer must allow all cuts to relax for a sufficient time before installing.

Installation of Rolls

Make sure the curbs you are butting against are straight or square. Otherwise: Use a chalk line, make a starting point for an edge of the flooring to follow.

Remove the rolls from the shrink wrap and unroll it onto the subfloor. Lay the rolls in a way that will use your cuts most efficiently. Cut all rolls at the required length, including enough to run up the concrete curbs. Allow the cuts to relax in position for a sufficient time.

Place the edge of the first roll along the curb or chalk line. Position the second rolls with no more than a 2 mm overlap over the first roll at the seam. Work the material back to eliminate the overlap. This procedure will leave tight seams and eliminate any gaps in the finished floor.

After performing the above procedures, begin the application of the adhesive by half the first roll width. We recommend our two-part polyurethane adhesive (Regugym PU Contact). The adhesive should be mixed thoroughly and as per the recommended mixing instructions, including the specified ratio of part A to part B.

Apply the two-part polyurethane adhesive to the subfloor using a proper size notched trowel.

Temperature above 25° Celsius and/or a relative humidity above 50 % will cause the adhesive to set up more quickly. Temperatures below 20° Celsius and/or a relative humidity below 50 % will cause the adhesive to set up slower. The installer must monitor the on-site conditions and adjust to the open time of the adhesive accordingly.

Lay the flooring into the wet and freshly applied adhesive.

Soon after the unrolling into the wet adhesive roll the floor with a 50 kg carpet roller to ensure proper adhesive transfer and full spread coverage. Overlap each pass of the rolls by 50 % of the previous pass to ensure the floor is sufficiently rolled. Roll the width first and then the length.

Fold over the second half of the first roll and half of the second roll and start spreading the adhesive. Spread the adhesive at right angles to the seam to prevent the adhesive from squeezing through the seams. Continue to roll the flooring as described above.

Continue with the same procedure and work at a pace so that you are always folding material back into wet adhesive.

IMPORTANT: Never leave any adhesive ridges or puddles because these will telegraph through the material!

Do not allow the freshly applied adhesive to cure on your hands or to get onto the flooring surface. Immediately wipe off excess adhesive with a rag dampened with polyurethane thinner or mineral spirits. Cured adhesive is very difficult to remove from your hands or from the new floor. **We strongly recommend to wearing gloves using the Regugym PU Contact adhesive!**

If some seams are gapping, temporarily hold them together with masking tape. Do not use duct tape as it may leave a residue on the floor. Remove the tape after the adhesive develops a firm set.

Immediately after laying the flooring into the wet adhesive bed, lay concrete bricks along and over the joints until adhesive is fully cured to prevent curling!

Keep traffic off the floor for a minimum of 24 hours.

The recommendations in this Installation Manual are based on our own testing and field experience with our Kombi flooring. These instructions are given only as guidance to our customers and for use with our recommended tools and adhesives. BSW GmbH cannot accept any responsibility for loss or damage that may result from the use of this information due to variations in working conditions and/or workmanship of the installer. Users are advised to conduct their own tests for a particular application and assign installers that are familiar with this type of flooring product.