



Guidelines for Vinyl Flooring Installation

Storage

- Store in an upright position not stacked and in original packaging.
- Must be stored in a dry, well ventilated space not exposed to dust and UV light or direct sunlight.
- Should be stored at room temperature between 10 degrees C - 30 degrees C
- Relative humidity approx 40-70% is preferable and at least 1m from heat source.

Pre Installation

- Check material is the correct colour and pattern and that there is enough material to complete the job.
- Inspect the material for any defects and report immediately if necessary.
- Temperature should be a minimum of 15 degrees C.
- All Windows, Doors should be installed and operating at time of installation.
- Flooring of the same production number should be used only.

Subfloor

- The subfloor should be clean, smooth, permanently dry and free from cracks, anti-adhesion substances and of sufficient tensile and compressive strength.
- Property of prepared subfloor should meet requirement of national standards
- Material can be installed onto concrete, calcium sulphate and magnesite estrich subfloors

Installation

Positioning the Rolls

- Mark out the centreline of the space on the floor, position the rolls at the centreline and start laying at the middle of the centreline.
- Unroll the strips towards the back of the room, unroll in alternate directions in case of colours and in the same direction for Wood Effect.
- Position the sheets edge to edge.
- In case of hot welding, keep a 1-2mm gap between the joints.
- At walls and around columns, pipes etc keep cca. 5-10mm distance.
- If necessary, recut the selvedge.
- Keep minimum of 24hrs relaxing time in layout position

Installation (with Vaporex)

- Lay Vaporex DPM.
- Fold up approx 5-10cm at walls or 1-2cm when bumping to the wall method.
- Adjust the underlay edge to edge without overlapping seams then fasten the edges on the top (plain side) with a minimum 5cm wide tape.
- Thoroughly roll the tape with a cork rubber or hand steel roller to allow bonding.
- Underlay should be laid in the opposite direction of the vinyl laying direction.
- Ensure a suitable wood or plastic skirting (ventilated or perforated) that ensures the evaporation of the moisture of the subfloor to the air.
- Use only 2 component PU or 2 component epoxy adhesive
- Before gluing, the strips should be folded up halfway.
- Use suitable spatula to apply and adhere to adhesive manufacturers instructions
- Leave adhesive to evaporate until the colour is transparent and not tacky.
- Carefully press down beginning from the middle by means of a manual rubbing cork leaving no air bubbles. Finally, use a steel roller (65-70kg).
- Repeat procedure for other half of the strip.

Installation (without Vaporex)

- Cut with a margin at both ends then lay down abutting precisely tailored edges.
 - Lay longitudinally.
 - Before gluing, strips should be folded up halfway.
 - Repeat the above gluing and rolling procedure.
 - Tailored strips can be fastened to concrete by:-
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- Wet Bonding - Apply onto subfloor only - place flooring into wet adhesive avoiding air pockets and rub carefully. Floor must be free of tension. Lie down flat on the surface otherwise use weights to flatten in respective places. After 24hrs, seams can be sealed or welded.

- Semi - Loosely Gluing - Wet Method - Before gluing, fold back the flooring strips to halfway. Mark the free edges of the subfloor with a continuous line using a pencil. Apply glue using spatula. Width of coating should be 40-50cm. Coat the glue so that the marked line should be halfway. Adhesive should then be gently rolled out uniformly in order to be smooth and even. At the walls, coat the adhesive at intervals of the width of the spatula and the distance of the glue strips (approx 25-30cm). Fold back the flooring sheets into glue strips, smoothing down with a hand roller. Thereafter, again fold back the floor sheet and let the glue dry on the subfloor and on the back of the flooring also. The flooring will take a shorter time to dry as it is in contact with the air, approx 60-90 minutes. When the adhesive is yellowish in colour and it does not stick to the finger, it has a strong enough grip. To avoid moisture under the floor avoid placing the flooring too early onto adhesive which has not fully dried. When completely dry, the flooring sheets should be folded back again, fitting exactly into position and fixing permanently to edges ensuring there are no air bubbles beneath, thoroughly rolling the floor out by hand. After gluing the first sections of the floor, cut to size at walls and doors. Repeat gluing procedure for the remaining parts.
- Double-Sided Tape (min of 5cm-10cm) - Should be affixed to substrate and to the backing of the floor with an unwinding roller. This runs between the joints. The first wedge shape opens the joints of vinyl while the inside axis of the unwinding roller, the double-faced tape arrives to the substrate surface. The release liner of the tape is separated by the device so during the pushing forward, the closing PVC sheets slide onto the upper opened surface of the double-sided tape. After taping, use a steel roller to bond together. Repeat process for each joint.
- Removable Installation - Flooring should be cut to size in advance. The flooring should be laid in a longitudinal direction. Place the floor pieces closely abutted side by side. The edges must be fitted aligned. Beginning from the centre line, measure from the ends of the court. Measure the sizes diagonally in order to avoid deviation from the right angle. Use double-sided tape for bonding using an unwinding tool (description above). After taping, use a steel roller to bond and allow a smooth and even finish.
- Heat Welding - The covering should be grooved along the joints in the proper depth and width with a grooving machine or a hand groove tool. Temperature of the welding machine must be set between 4-5 grades. Both automatic mobile welding machines or hand welding tools can be used. It is recommended to carry out a trial weld to ensure the correct temperature and speed settings. After the weld seam has cooled down the excess welding cord should be removed by firstly a half-cut by means of a slide and a quarter moon knife then after cooling, flushing with a quarter moon knife.
- Cold Welding - Use a proper adhesive band and fasten with a pressure roller onto the joints of the closely fitted PVC strips. Use a circular knife to carefully cut the adhesive tape through the seam range. The nozzle of the cold welding tube should be pushed with one hand into the seam and should advance along it. Feed the cold

welding agent using the other hand so the adhesive band becomes wet in a width of 5mm. The adhesive band should be removed after 10 minutes.

Underfloor Heating

Ensure the underfloor heating is switched off 48 hours prior to installation and stays off for at least 48 hours following installation. The area of installation should be kept to a minimum temperature of 18 degrees C. Gradually increase the temperature over a number of days by only a few degrees per day until the desired room temperature is reached. It should never exceed 27 degrees C at the underside of the flooring. The height of the concrete base layer above the heating pipes should be at least 45mm but the recommended layer thickness is 60mm.