

Excel Installation

Upon Product Delivery

1. Verify packing slip matches with product and order and inspect delivered product thoroughly.
2. Store rolls vertically, not laying down.
3. Store product and adhesive in clean, dry environment with temperatures between 65° and 80°F.
4. The material must be acclimated to the environment where it will be laid for at least 48 hours before installation.
5. Read product and subfloor preparation and instructions carefully and completely before beginning any installations.

Preparation

Product

Excel vinyl rolls should be protected from excessive moisture and other damage prior to application, during application and while curing.

Subfloor Surface

The **subfloor general conditions** should be as follows:

- Must be free of wax, oil, grease, sealer, curing compound, paint, varnish, old adhesive, or other contaminants. All contaminants must be removed by mechanical abatement since chemical abatement will lead to additional contaminants.
- Moisture vapor emission must not exceed the maximum allowable tolerance of the adhesive being used when tested in accordance with ASTM F1869, anhydrous calcium chloride test
- Must be properly prepared to be a satisfactory bonding surface for adhesion of subfloor to Excel
- Must be firm, structurally sound, dry, clean, smooth, and level
- All cracks must be filled with approved Portland-based patching compound

Concrete Subfloors

The **concrete subfloor conditions** should follow the general conditions above, as well as:

- Must have cured for a minimum of 28 days
- Must have a permanent effective moisture barrier membrane installed that is in accordance with ASTM E1745 and E1643
- Must be dry, sufficiently porous, and clean
- Must not be loose, sandy, and scaly or have a white powdery surface
- Must have a temperature of at least 65°F prior, during, and 48 hours after installation

Wood Subfloors

The **wood subfloor conditions** should follow the general conditions above, as well as:

- Must be in accordance with ASTM F1482
- Must be a double layer construction with a minimum thickness of 1" consisting of plywood subfloor and plywood underlayment
- A minimum of 18" of cross-ventilated air space beneath wood subfloor

Installation Procedures

Important Notes

- Make sport court markings with polyurethane paint
- The excess adhesive shall be removed as work progresses and it is still wet, using a cloth with neutral detergent or alcohol depending on adhesive.
- Avoid making concentrated pressure on the floor with hands elbows or knees, during the installation to prevent the formation of permanent indents; do not walk on the flooring for at least 24 hours after the installation.
- Always protect the floor after the installation with protective sheeting to avoid unnecessary damage when installing additional equipment.

Instructions for Installing Rolls

1. Measure the room and mark the centerlines, planning the laying in a way to reduce cuts and scraps.
2. Loose lay the rolls (without adhesive) following the marked lines. Rolls must be laid with 1.8 in (3.0 cm) overlap along the adjoining edges. Check the uniformity of color and the absence of defects.
3. The loose laying is very important to check the color uniformity and the absence of defects of the flooring. All claims will be accepted only if the flooring is not yet permanently bonded.
4. Perform the seam cutting along the sides and the heads of the rolls (the use of scribes and straight and hook bladed knives is advised to get better results).
5. Fold back the sheet to expose substrate. Spread the adhesive using a notched trowel. Once the adhesive is ready to accept the flooring, roll the sheet back into place, taking care not to twist the roll or to trap air bubbles, which will eventually have to be expelled through massaging.
6. Repeat the operation on the other half of the roll.
7. After the laying, the use of a floor roller is recommended to ensure a perfect contact with the substrate.
8. In case adhesive with long work time is used, apply weights along the joints (bricks or sand bags).

STRENGTH