

EarthFlex Underlayment Installation

Upon Product Delivery

1. Verify packing slip matches with product and order and inspect delivered product thoroughly.
2. Do not stack rolls higher than 4.
3. Store product and adhesive in clean, dry environment with temperatures between 65° and 95°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

EarthFlex Underlayment rubber 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 either concrete, wood, or approved Portland-based patching and leveling materials
- 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 free of wax, oil, grease, sealer, curing compound, paint, varnish, old adhesive, or other contaminants according to ASTM F710. All contaminants must be removed by mechanical abatement since chemical abatement will lead to additional contaminants.
- Be reasonably flat and free of holes or variances of more than 3/16" in 10 feet
- Must be properly prepared to be a satisfactory bonding surface for adhesion of subfloor to Pump
- Must be firm, structurally sound, dry, clean, smooth, and level

Concrete Subfloors

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

- Must have a permanent effective moisture barrier membrane installed that is in accordance with ASTM E1745 and E1643
- Must have a minimum of 3000 psi of compressive strength
- Must be fully cured for a minimum of 28 days and permanently dry
- All cracks must be filled with approved Portland-based patching compound
- Must be dry, sufficiently porous, and clean
- Must not be loose, sandy, and scaly or have a white powdery surface

STRENGTH

Wood Subfloors

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

- Must be double construction with a minimum thickness of 1"
- Must be rigid and free from movement
- Must have a minimum of 18" of well ventilated air space below
- The preferred underlayment panel is APA grade plywood with a minimum thickness of ¼" with a fully sanded face

Installation Procedures

Important Notes

- Wall strips will be flushed with flooring over EarthFlex Underlayment

Instructions for Installing Rolls

1. Make sure that the room temperature does not go below 65°F.
2. Measure out EarthFlex Underlayment wall strips so that entire perimeter is covered
3. Adhere wall strips with tape, as they will later be installed above top layer above EarthFlex Underlayment
4. Unroll rolls in the same direction as this will eliminate color variation
5. Allow EarthFlex Underlayment to relax overnight. Shaking the material can help it relax.
6. Use a chalk line to make a starting point for and edge of the floor to follow
7. Cut rolls efficiently and at the required length which includes excess to run up the wall
8. Lay rolls on the floor and allow to relax into position for a minimum of 2 hours, although 24 hours is preferred
9. Starting at the wall, roll back half the roll width
10. Apply adhesive to substrate, half of the roll width, at 90 degrees of seam to prevent excessive adhesive
11. Lay flooring into wet adhesive
12. Immediately roll the floor with 30lb – 50lb roller to eliminate air traps (Overlap each pass of the roller by 50%)
13. Fold back the second half of the roll and repeat steps 10-12
14. Repeat steps 10-13 with all other rolls
15. If gaps between seams exist, hold them together with masking tape

STRENGTH