



70-192

## INSTALLATION INSTRUCTIONS

### *Surface Preparation*

1. Always follow the flooring manufacturers' installation instructions with respect to preparing and leveling subfloor.
2. Acceptable substrate surfaces for TriGuard™ Underlayment installation are concrete, gypsum, wood subfloors, and approved self-leveling compounds.
3. DO NOT install TriGuard over particleboard, chipboard, Masonite, or lauan as it can trap moisture over time and cause failure.
4. Inspect the subfloor before installation. The subfloor must be dry, clean, smooth, level, and structurally sound.

It is the installer's responsibility to test for moisture in concrete or cementitious substrates. For installations over concrete, verify that the slab is dry. Moisture emission rates must not exceed 3 lbs per 1,000 sq ft over 24 hours, as measured by the Anhydrous Calcium Chloride Test. NOTE: Failure to test for moisture emissions or exceeding the stated moisture emissions rate listed above will void the TriGuard Underlayment warranty.

5. The subfloor surface should be flat within 3/16 in. (4.8 mm) over 10 ft, or as required by the flooring manufacturer.
6. Cracks, depressions, or irregularities in concrete subfloors must be repaired using a cement-based patching or leveling compound.
7. A pH test should be conducted on concrete subfloors to ensure alkalinity levels are within the limits specified for the selected flooring adhesive. Concrete slabs must be tested for moisture prior to installation. Common testing methods referenced in the standard include: ASTM F1869 and ASTM F2170. Acceptable moisture limits are determined by the flooring or adhesive manufacturer.

### *Materials Handling*

1. Prior to installation, inspect roll of TriGuard underlayment for any visible defects. Claims for labor or material installed with visible defects will not be honored.
2. Allow TriGuard to acclimate to room temperature for a minimum of 24 hours prior to installation.

### *Floating Floor Installation*

1. Unroll TriGuard onto the floor and allow the material to relax for approximately 2 hours. Lightly shaking or flexing the roll may help the material flatten.
2. Start in the corner of the room by rolling out the underlayment perpendicular with the overlap lip and adhesive strip facing up. Put the opposite end of the underlayment against the wall, running it 2 inches up both the starting wall and both end walls. This 2-inch perimeter running up the wall provides a moisture-proof enclosure for the flooring.

3. Lay a second row of underlayment alongside the first, overlapping the edge 2 inches. To join the pieces, peel back the release liner from the adhesive strip and press the second piece into place. Allow for the ends to wrap up the end walls to maintain the 1/4-inch perimeter of underlayment around the room. Repeat row by row until the entire floor area is covered.
4. After the flooring is installed, trim the excess underlayment back.

#### *Glue-Down Installation (Single & Double-Glue Down)*

1. Unroll TriGuard onto the floor and allow the material to relax for approximately 2 hours.
2. Beginning in a corner of the room, position the material perpendicular to the direction of the finished flooring installation.
3. Trim the underlayment to fit the installation area.
4. Align adjacent sheets so the edges meet, overlapping 2 inches and joining with adhesive strip.
5. Fold one section of the material back to expose approximately half the width of the roll.
6. Apply adhesive beneath the folded section using the trowel notch as recommended by the adhesive manufacturer.
  - Moisture-cured urethane adhesives **are not** recommended for use with ROBERTS TriGuard Underlayment.
  - Acrylic, pressure-sensitive adhesives like ROBERTS 6399 Firm-Set Pressure Sensitive Transitional Adhesive, ROBERTS 7399 UNIVERSAL+ Resilient Flooring & Carpet Tile Adhesive and ROBERTS 7350 UNIVERSAL Resilient Flooring & Vinyl-Backed Carpet Tile Adhesive are approved for use in glue-down installations of ROBERTS TriGuard™ Underlayment.
7. Carefully place the underlayment into the wet adhesive. Avoid dropping or allowing the material to fall abruptly onto the adhesive, which can trap air beneath the surface.
8. Fold back the remaining half of the sheet and the adjoining sheet. Apply adhesive perpendicular to the seam to minimize adhesive squeeze-through. Avoid leaving adhesive ridges or puddles, as they may telegraph through the material.
9. Within 45 minutes of placing the material, roll the underlayment using a 35–75 lb flooring roller to ensure proper adhesive transfer. Overlap each pass by 50%.
10. Repeat the process until the entire floor area is completed.
11. Install the finished flooring in accordance with the flooring manufacturer's instructions.

#### *Nail-Down Installation (Engineered Wood Only)*

1. Follow the flooring manufacturer's instructions for nail-down flooring installations, including the recommended fasteners, adhesives, and installation procedures.
2. Note, penetrating the TriGuard underlayment with any mechanical fastener (i.e., nails, screws, or staples) could affect the moisture barrier and reduce the acoustic performance of the system.