

# Underlayment

## Installation Guide



### AMOUNT OF ALLOWED DEFECTS

1. Allow USply underlayment to acclimate at the jobsite environment for 24-48 hours. Store the panels on their 8' edge.
2. Make sure the floor in which the USply underlayment will be installed is ready for use. This includes:
  - Inspecting existing joists and subfloors to make sure they are structurally sound, spring free, and completely dry
  - Cleaning the subfloor of all foreign matter; just sweeping is not enough, one must scrape and vacuum all construction dust and debris
  - Examining the entire room and removing or setting any nails that protrude from the site
3. Inspect each USply underlayment sheet for any flaws prior to installing

### POSITIONING USPLY UNDERLAYMENT

1. Lay the panels out flat to cover the subflooring. The wood grain of the panels should be perpendicular to the floor joists.
2. Panel should be placed at least 1/8" to 1/4" from the walls to allow for expansion.
3. Offset and stagger underlayment panels to make sure all four corners do not directly meet.
4. Lightly butt the panels to each other. Do not leave a gap or force the panels together.
5. Do not lay out and fasten the whole floor! Fit panels into place first before fastening.

### FASTENING USPLY UNDERLAYMENT

1. Do not use any adhesive in between the subfloor and the USply Underlayment.
2. Use one of the following to fasten the underlayment:
  - Chisel point staples with a 1/4" crown
  - Ring shank underlayment nails with a 3/16" diameter head
  - All fasteners must be galvanized or coated
3. Fasten the underlayment with either staples or nails. Start on one corner of the panel and fasten the 8' edge first, spacing 2" along the entire edge. Make sure the fastener is around 1/2" from panel edge. Go back to the starting corner and repeat the process along the 4' edge.
4. Stand on top of the panel and apply your body weight while fastening to ensure full contact with the subfloor.
5. Next, with chalk, draw a diagonal line from the starting corner. Go back to the starting corner and fasten the "field" of the panel every 4" on center working in a diagonal direction across the panel.
6. Finish off the fastening process by fastening the remaining 4' edge and then the 8' edge.
7. Maintain the fasteners spaced 2" from each other and around 1/2" from panel edge.
8. Do not fast field in straight row as this can cause telegraphing.
9. Follow the same procedure for the next offset USply underlayment sheet.

### FINISHING USPLY UNDERLAYMENT INSTALLATION

1. Sand the joints using a power belt until level. If the void or gap between panels exceeds 1/16", then these irregularities should be filled with a patching compound specifically intended for this purpose. Follow patching manufacturer's instructions.
2. If you had to use a patching compound, wait for it to dry, and then sand joints again using a power belt until joint is smooth and level.
3. Before installing the floor covering, inspect the installed USply underlayment and make sure there are no core laps or voids. If there are any panels with these defects, they should be removed and replaced immediately.

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