

# Premium Underlayment

## Installation Instructions

### Preparations prior to installation.

Installation of **FEA Premium UL**, whether directly over sub-floors in new construction or over an existing floor in a renovation, is to occur after the existing joists and sub floor have been inspected and verified to be completely dry, structurally sound, spring free and designed to accommodate the system as a flooring structure.

All foreign matter should be cleaned from the sub floor and any loose areas or protruding nails or staples should be hammered tightly.

Scrape and vacuum all construction dust and debris from the sub floor. Sweeping is not sufficient.

Allow **FEA Premium UL** panels to acclimate at the jobsite 24-48 hours prior to use by standing them on their 8' edge in the room where they will be installed.

Inspect each **FEA Premium UL** panel for surface irregularities prior to installation.

### Ready to Install

Set **FEA Premium UL** panels perpendicular to the grain direction of the subfloor panels (ignore if installing over an existing floor). Run grain of all full **FEA Premium UL** panels in the same direction.

Where the joints run at right angles to the joists, offset sub floor and **FEA Premium UL** panel edges at least 8". Lay **FEA Premium UL** panels in an ashlar fashion to ensure that four corners do not directly meet.

Begin laying the **FEA Premium UL** in one corner of the room where you can maximize coverage of floor without cutting. A space of at least 1/8" to 1/4" should be left between the panel edges and the wall around the perimeter of the room to allow for any expansion. Panels must be lightly butted to each other. Do not leave a gap, or force the panels together.

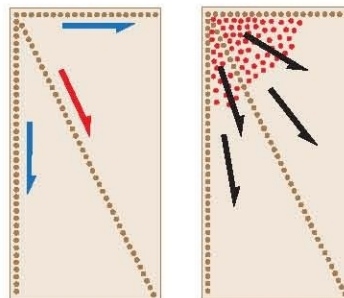
Lay factory edges to factory edges, lay job-site edges towards the walls as necessary. Avoid panel pieces less than 12" except where cutting to allot for floor fixtures. Do not lay out and fasten the whole floor! Fit panels into place first before fastening.

### Fastening

Begin fastening at one corner of the panel, spacing every 2", along the entire edge. Repeat process at starting corner and work along the perpendicular edge. Next, snap a chalk line diagonally across panel from the original corner. Returning to original corner, fasten diagonally along chalk line every 4".

Again, return to original corner and fasten the field of the **FEA Premium UL** panel in a butterfly (fan) pattern, spacing every 4". Then fasten the two remaining edges every 2". Follow the same procedure for the next offset sheet of **FEA Premium UL**.

Set fasteners no closer than 3/8" and no further than 1/2" from panel edge. Do not fasten field in straight rows as this can cause telegraphing.



**NAILING PATTERN**

### Nails / Staples

Use either coated ring shank underlayment nails with a 3/16" diameter head or polymer coated chisel-point staples with not less than an 18 gauge shank and crown not exceeding 1/4". All fasteners must be galvanized or coated.

If you are renovating and applying **FEA Premium UL** panels over an existing floor, fasteners should be sufficient length so as to equal the total thickness of the sub floor without entering into the floor joists.

Drive fasteners perpendicular to, and countersunk slightly below, the surface of the **FEA Premium UL**.

Avoid overdriving nails and adjust pressure on fastening device so as to prevent stable blow through.

Do not use any uncoated, cement coated or rosin coated fasteners as these may cause staining.

Use body weight to hold **FEA Premium UL** securely to sub floor to ensure full contact during fastening.

### Sanding and Patching

After fastening thoroughly, sand all **FEA Premium UL** joints until level using a power belt sander. If the joints are smooth enough so you can't feel the seam, a floor-patching compound is not necessary. Hand sanding is not sufficient to correct any unevenness between panels. Avoid cupping of joints and over-sanding.

Voids or gaps in excess of 1/16" between panels, and any irregularities in the surface, should be filled after sanding with a patching compound specifically intended for this purpose by the flooring manufacture. Do not floor mix patching compound and follow manufacturer's instructions.

After allowing the patching compound to dry completely, re-sand using a belt sander until joint is smooth and level. Repeat procedures above if not. Sand excess patch completely off the panel faces.

### Installing the floor covering.

Inspect the installed **FEA Premium UL** to ensure there are no visible core laps or voids that could affect the integrity of the panels. Any panels that contain these defects should be removed and replaced prior to installing your new floor covering.

Read the flooring and adhesive manufacturer's instructions carefully before installing the new floor.

Use only those adhesives recommended by the floor cover manufacturer for use over **FEA Premium UL**.

Far East American is not responsible for faulty installation or telegraphing of seems. In all high moisture areas, seams in the resilient flooring must be well sealed and all traffic must be kept away until the sealant is fully cured. **FEA Premium UL** must be kept clean and dry after installation.

The edges of the resilient flooring must be well sealed along doors, bathtubs, shower bases, toilets, cabinets, vanities, and other locations where water or moisture could be present. Use a mildew-proof sealant.



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