

# Adura® Luxury Floors Installation Recommendations

## General Information

These installation specifications are for all fully adhered installations of Mannington Adura luxury floors. All recommendations are based on the most recent available information. All instructions and recommendations must be followed for a satisfactory installation.

1. Adura Luxury floors must be stored and installed in climate controlled interior locations where the temperature can be regulated to between 65° and 90° F.
2. Install Adura Floors only after the jobsite has been cleaned and cleared of other trade apparatus that may damage a finished installation.
3. Before installation always check the cartons to assure the pattern number is correct. Work from several cartons to mix design elements, do not “cluster” similar design elements.
4. All subfloor / underlayment patching must be done with a non-shrinking water resistant Portland cement patching compound such as Mannington MVP-2023.
5. Never install Mannington resilient products over residual asphalt-type (cut back) adhesive. It can bleed through the new floor covering. Residual asphalt type adhesive must be thoroughly removed or covered with underlayment plywood or Mannington latex underlayment.
6. Adura luxury floors are to be adhered with Mannington MT-711. MT-711 is a solvent-free, acrylic-based pressure sensitive adhesive that is appropriate with Mannington resilient and carpet modular flooring products.
7. When grouting Adura Tile use only Pre-mixed Adura Luxury Grout

## III. Installation

### A. Tile Layout

As with all tile formats, Adura tiles should be “balanced” in the work area. Tiles may be laid squarely in the work area or laid out diagonally in the work area. In either case, the room must be accurately measured to square off the area and to determine the center point of the area. The work area should be divided into quadrants designated by striking chalk lines. It is critical that the intersection of the chalk lines be square at 90°. All border tiles should be of nearly equal dimensions and at least one-half of a tile wide. Careful and precise measurements must be taken during tile layout. If the grouting option is used, be certain to calculate joint width when laying out tiles. Lay all tiles in the same direction, all directional arrows pointing in the same direction.

## **B. Plank Layout**

It is also important to balance the layout of the plank format. Proper planning and layout will prevent narrow plank widths at wall junctures. Determine lay out to prevent having less than half a plank width (2") or very short length pieces. As with all plank products, lay the long dimension of the plank parallel to the long dimension of the work area. Accurately measure the room to determine the center line, adjust this established line to accommodate a balanced lay out and then transpose this line to a comfortable width away from the starting wall (approximately 2' to 3' wide). Apply the adhesive in this area and begin installing planks.

## **C. Combinations - Tile and Plank Layout**

The modularity of Adura Luxury Flooring allows for interesting and decorative combinations of tile and planks. When determining proper layout for this custom installation it is important to consider the dimensions of the modular "design unit" and then balance the design unit in the work area. Careful and precise measurements must be taken to insure success with a combination design.

## **D. Adhesive Application**

Mannington MT-711 adhesive is required for adhering Adura to all approved substrates. Apply the adhesive with a 1/16" wide, 1/16" deep, and 1/16" apart notched trowel. The MT-711 adhesive should be given sufficient open time so that the trowel ridges appear "cloudy" or "hazy" and the trowel "Valleys" are clear. The adhesive must be sufficiently tacky to prevent tile slippage during placement.

## **E. Tile Installation**

After the MT-711 has had sufficient open time, begin laying the tile at the intersection of the working lines. Be certain this tile is installed squarely on the lines. After the first tile is in place, begin laying tiles outward along both guide lines. Press tiles firmly against adjoining tiles and press into the adhesive. Begin stair-stepping the tiles into the field area. Maintain the squareness of the installation by keeping tiles along guide lines. Lay all tiles in the same direction, all directional arrows pointing in the same direction.

## **F. Plank Installation**

After the MT 711 adhesive has had sufficient open time, begin laying planks along the designated starting line, working back to the starting wall. Planks ends should be staggered in a random manner so as to avoid clustering the end joints. Varying the length of the starting plank can assure sufficient stagger of end joints. End joints should be staggered by at least 4". Pay particular attention to the randomness of the plank layout, avoid establishing a repeating pattern. Continue installing the planks in a random fashion and complete each area before beginning the next. If required use a kneeling board to avoid walking on freshly installed planks.

## **G. Cutting and Fitting Border Tiles and Planks**

Adura luxury floors can be cut with a large tile cutter or by using the score and snap technique. Direct or pattern scribe the tiles to fit into complicated, irregular walls or pipes, etc.

## H. Grouting Adura Tile

Certain Adura Luxury Floor tile patterns lend themselves to the design option of applying a specially produced acrylic grout between the tiles. Specific installation procedures must be followed when grouting Adura tiles.

### 1. Required tools

- Hard edge rubber grouting float
- Dense, square edge sponge
- Nylon scrubbing pad
- Plastic spacers
- Water buckets
- Tile spacers

### 2. Procedure

The desired grout width must be determined before tile layout begins. It's critical to include grout width measurement to tile size to insure a balanced lay-out. Grout width should be at least 1/16" wide and no more than 1/4" wide. Commercially available hard plastic ceramic tile spacers may be used to maintain equal grout joint width.

Tiles may be grouted immediately after installation. Insure that the tiles are firmly bonded to the subfloor by re-rolling the entire installation with a three-section 75 pound or heavier) floor roller just prior to grouting. Be certain to clean any debris from grout joints.

Only Mannington acrylic grout may be used with Adura Luxury tiles. This pre-mixed grout has been developed to bond to Luxury vinyl tiles and is flexible and durable. **Never use cement-based, epoxy or furan grout.**

Apply the acrylic grout in to the tile joints with the narrow edge of the rigid rubber float. Firmly pack each tile joint so as to leave no voids or skips. As each tile joint is grouted, remove excess grout from tile edges with the stiff edge of the float pulled in a 45° angle across each joint. Grout only in small increments and clean each section as you go. Never apply grout in an area greater than 20 square feet before cleaning.

Use a dampened nylon scrubbing pad to loosen remaining grout from the tile surface. Wipe along side of the joint with the nylon pad to avoid removing grout from the joint. Do not use excessive water during clean up. Use the special square edge sponge to remove the excess water and grout haze. Be certain to wipe diagonally across tile joints to avoid dragging grout from the joint. Rinse this sponge frequently and change the clean-up water frequently. Thoroughly remove all residual grout and grout haze before leaving the job. Dried grout haze is difficult to remove. If a slight grout haze is noticed after 24 hours it can be removed by scrubbing with the nylon pad and a solution of 1/4 cup of ammonia in a gallon of clean water. Thoroughly rinse the area with clean water. **DO not use chemical grout cleaners.**

If skips or voids in the grout joint are discovered after final clean-up they can be filled by applying new grout directly over the old.

## **I. Finishing the Job**

Adura luxury floors must be rolled with a minimum 100 pound three-section floor roller immediately after installation. Roll the flooring in both directions to firmly seat the tile into the adhesive.

Cover all exposed edges. Use wood molding or vinyl cove base along all walls, cabinet toe kicks, etc. Use transition strips in doorways or where new flooring joins another floor covering. Caulk along tubs, toilet bowls, etc.

Do not wash the floor for 48 hours after installation. After 48 hours, damp mop to remove residual surface dirt. Follow appropriate maintenance schedule for Adura luxury floors.

## **IV. Repairing Adura Tile and Plank**

Although the wear surface of Adura plank and tile is durable, it is not bulletproof. Should an accident occur that damages the surface of the product, a simple repair procedure exists. The key to this process is having ample material available to replace the damaged area(s). This should be considered when placing the original order. Extra tiles and planks should be wrapped in their packaging and stored in an interior, climate-controlled location.

To remove a tile or plank, gently heat with a hot air blower to allow the material to become more flexible. Insert a thin 2" wide putty knife in the seam and gently lift up. Be careful not to damage the surrounding flooring. Remove the damaged tile or plank from the floor. When removing a tile, pay attention to the orientation of the embossed arrow on the back of the damaged piece so that the new tile can be installed in the same direction. Inspect the subfloor for lumps of residual adhesive, remove and smooth out as necessary. Using a 1/32" notched trowel, apply a thin coating of MT711 to the back of the replacement piece. You must consider the thickness of the residual adhesive layer when determining the appropriate adhesive application to the replacement piece. Too much adhesive will cause the replacement flooring to be higher than the surrounding tile or plank. Provide sufficient open time (typically 15 minutes) and then position the tile or plank into the repair area. Roll evenly with a hand roller and, if necessary, weight the tile or plank for several hours until the adhesive sets.

If the tile was grouted the grout must be removed and replaced during tile replacement.

## **V. Cautions and Miscellaneous**

A. Furniture should be moved onto the newly installed floor using an appliance hand truck over hardboard runways.

B. Do not place heavy items on newly installed floor covering for at least 24 hours after completion of the installation. Heavy furniture should be equipped with suitable non-staining, wide-bearing caster.

C. Floor covering subjected to excessive heat and light exposure is subject to thermal degradation. Use appropriate precautions to minimize potential affects on the floor covering.

D. Oil or petroleum based products can result in surface staining. Do not track asphalt driveway sealer or automobile oil drips onto the vinyl floor covering.

E. Use a non-staining walk off mats. Rubber can discolor resilient floor coverings