INSTALLATION INSTRUCTIONS

Adura

I. GENERAL INFORMATION

These installation specifications are for fully adhered Adura® & Homestead. All recommendations are based on the most recent available information. All installations must be followed properly by installing contractor in accordance with the recommendations in the specifications. Adura and Homestead are adhered with Mannington MT-711. MT-711 is a solvent-free, acrylic based, pressure-sensitive adhesive.

II. SUBFLOOR INFORMATION

Careful and correct preparation of the subfloor is a major part of a satisfactory installation. Roughness or unevenness of the subfloor may telegraph through the new floor covering, resulting in an unsightly surface and excessive wear on high spots. Subfloor should be flat within 3/16" in 10'.

A. Wood Subfloors

1. All wood floors must be suspended at least 18" above the ground. Adequate cross-ventilation must be provided, and the ground surface of a crawl space must be covered with a suitable vapor barrier. Wood subsurfaces directly on concrete or installed over sleeper construction are not satisfactory. Hardwood and softwood subsurfaces must be covered with a minimum 3/4" or heavier underlayment rated panel to assure successful finished floor installation. All wood substrates should be smooth, flat, structurally sound and free of deflection (meaning no up and down movement).

2. Underlayment

Many times, wood panel subsurfaces are damaged during the construction process or are not of underlayment grade. These panels must be covered with an approved underlayment. Underlayment panels are intended to provide a smooth surface on which to adhere the finished floor covering. It must be understood that the underlayment will have surface deficiencies and will not be recommended for underlayment. All have inadequate uniformity, poor dimensional stability, and variable surface porosity. Mannington will not accept responsibility for floor covering failure due to hydrostatic pressure or moisture vapor emission. New concrete slabs must be thoroughly dry (at least six weeks) and completely cured. Although the material is not susceptible to damage from moisture vapor, new concrete slabs must be dry (at least six weeks) and completely cured. Adequate moisture testing can be found on our website. The final responsibility for determining if the concrete is dry enough for installation of the flooring lies with the floor covering manufacturer. Adura must be covered with at least four weeks of weathering prior to installation. The surface must be hard and dense, and free from powder or flaking. Surface roughness or the presence of any dust is a cause for adhesive bonding failure. These should be removed by sanding or grinding.

3. Concrete subfloors must be dry, smooth, and free from dust, solvent, paint, wax, grease, oil, asphalt sealing compounds and all other foreign matter. The face must be free from powder or flaking. Surface of the slab must be hard and dense, and free from powder or flaking. Surface roughness or the presence of any dust is a cause for adhesive bonding failure. These should be removed by sanding or grinding.

4. New concrete slabs must be thoroughly dry (at least six weeks) and completely cured. Curing agents, surface hardeners and other additives may cause staining fasteners with underlayment. Underlayment installer is responsible for all underlayment warranties.

5. All concrete slabs must be checked for moisture before installing material. Details for moisture testing can be found on our website. If the surface of the wood subfloor is not smooth, a 1/4" underlayment panel should be used.

6. Adura & Homestead are adhered with Mannington MT-711. MT-711 is a solvent-free, acrylic based, pressure-sensitive adhesive.

B. Plank Layout

1. All wood floors must be suspended at least 18" above the ground. Adequate cross-ventilation must be provided, and the ground surface of a crawl space must be covered with a suitable vapor barrier. Wood subsurfaces directly on concrete or installed over sleeper construction are not satisfactory. Hardwood and softwood subsurfaces must be covered with a minimum 3/4" or heavier underlayment rated panel to assure successful finished floor installation. All wood substrates should be smooth, flat, structurally sound and free of deflection (meaning no up and down movement).

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6. Holes, grooves, expansion joints and other depressions must be filled with high quality Portland based Patching & Leveling Compound, and troweled, smooth, and feathered even with the surrounding surface. Side should be flat within 3/16" in 10'.

7. Concrete slabs with a hydronic radiant heating system are satisfactory, provided the temperature of the floor does not exceed 85°F at any point. Before installing the floor, the heating system should be turned on to eliminate residual moisture. Mannington does not recommend heated floor mats for LVT products.

Recommended Work Practices for Removal of Resilient Floor Coverings

WARNING: Do not sand, dry scrape, bead blast or mechanically chip or pulverize existing resilient flooring, backing, tiling felt, asphaltic “cutback” adhesives or other adhesive. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer risk. Smoking, or exposure to asbestos dust is hazardous to the health of any exposed person. Unless positively determined that the product is a non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine its asbestos content. It is recommended that a Certified Work Practices for Removal of Resilient Floor Coverings is a defined set of instructions addressing the task of removing all resilient floor covering structures. These instructions should be consulted with each installation.

II. INSTALLATION

CAUTION:

Some types of nails, such as common steel nails, cement coated or resin- or resin-coated nails, may cause a discoloration of the vinyl floor covering. Using only non-staining fasteners with underlayment panels. The procedure of gluing and screwing underlayment panels is not recommended. Solvent-based construction adhesives are known to stain vinyl floor coverings.

All responsibility for discoloration problems caused by fastener staining or the use of construction adhesive rests with the underlayment installer.

A. Concrete Subfloors

1. All concrete subfloors should meet requirements prescribed in ASTM F710 “Standard Practice for preparing concrete floors to receive Flooring”.

2. Concrete slabs must have a minimum compressive strength of 3000 psi and dry density of at least 100 pounds per cubic foot.

3. Concrete subfloors must be dry, smooth, and free from dust, solvent, paint, wax, grease, oil, asphalt sealing compounds and other extraneous material. The face must be dry and free from powder or flaking.

4. New concrete slabs must be thoroughly dry (at least six weeks) and completely cured. Curing agents, surface hardeners and other additives may cause staining fasteners with underlayment. Underlayment installer is responsible for all underlayment warranties.

5. Concrete slabs must be checked for moisture before installing material. Details for moisture testing can be found on our website. The final responsibility for determining if the concrete is dry enough for installation of the flooring lies with the floor covering manufacturer. Adura must be covered with at least four weeks of weathering prior to installation.

6. Holes, grooves, expansion joints and other depressions must be filled with high quality Portland based Patching & Leveling Compound, and troweled, smooth, and feathered even with the surrounding surface. Side should be flat within 3/16" in 10’.

C. Existing Floor Coverings

To achieve maximum product performance, Adura and Homestead should not be installed over existing resilient floor coverings.

1. Ceramic tile can be made smooth by applying a cementitious overlay such as patching or leveling compounds.

2. In rare occasions that the removal of the existing resilient floor covering is not an option, the existing flooring must be covered with a minimum 1/4" or heavier underlayment rated panel before installing tiles or planks.

D. Timber Framing

Adura and Homestead are adhered with Mannington MT-711. MT-711 is a solvent-free, acrylic based, pressure-sensitive adhesive.
V. CAUTIONS AND MISCELLANEOUS

IV. REPAIRING ADURA

E. Mats used for Adura are to be labeled "non

D. Oil or petroleum

C. Floor covering subjected to excessive heat

B. Do not place heavy items on newly installed floor covering for at least 24 hours after completion of the

and apply new grout. Adura grout can be applied over existing grout providing you follow the steps provided.

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

Although the wear surface of Adura is durable, it is not bulletproof. Should an accident occur that damage

H. Grouting Adura Tile

G. Cutting and Fitting Border Tiles and Planks

1. Required tools:

2. Procedure

The desired grout width must be determined before tile layout begins. It is critical to include grout width measurement to tile size to insure a balanced layout. 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 minimum of 100-pound three-section floor roller just prior to grouting. Be certain to remove spacers and clean any debris from grout joints. Only Adura Grout may be used with Adura tiles. This pre-cured grout has been developed to bond to tiles and is flexible and durable. Never use cementitious grout, epoxy or furan grouts.

Lightly wipe joints with a dampened sponge. Apply the grout into the tile joints with the narrow edge of the rubber float. Firmly pack each tile joint in each direction 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 45º angle across each joint. Grout only in small increments and clean each section as you go. Never apply grout in an area greater than 12 square feet before cleaning. Do not wait more than 8 min before starting clean up. To clean, soak sponge in cold clean water. Wring out excess water completely. Use small circular motions to break up grout on the tile and smooth out joint. Soak and wring out spounge clean again. Wipe tiles clean by drawing the sponge diagonally across the tile, flip sponge over and repeat. Avoid excess water in the grout joint.

Repeat procedures as necessary. When cleaned properly the grout haze will be minimal and can be removed easily with neutral household cleaning agent. Once again, do not use excessive water during cleaning. Be certain to wipe diagonally across tile joints to avoid dragging grout from the joint. Rinse the sponge frequently and change the clean-up water frequently. Pay particular attention when cleaning all Adura and Adura Tile with tumbled edge (Corsica), these products require additional care to clean completely. 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 a nylon brush 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 clean-up, they can be filled by applying new grout directly over the fresh grout.

3. Finishing the Job

Adura and Homestead 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. Protect all exposed edges of Adura by installing wall molding and/or transition strips. Use caution to prevent the fasteners from securing the planks to the subfloor. 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 and Homestead using Mannington Ultra Clean.

IV. REPAIRING ADURA

Although the wear surface of Adura 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. Enlarged tiles and planks should be selected 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 MT-711 to the back of the replacement piece. You must consider the thickness of the residual adhesive layer before 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.

Replacing Adura Tile: Carefully remove old grout at least 1/8 deep. We have found that the use of an electric grout removal tool is very helpful. Clean grout area and apply new grout. Adura grout can be applied over existing grout providing you follow the steps provided.

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 or protectors. Non-staining felt protectors are recommended for table and chair legs to help prevent scratching.

C. Floor covering subjected to excessive heat and light is subject to thermal degradation. Use appropriate precautions to minimize potential effects 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. Mats used for Adura are to be labeled “non-staining”. Rubber, cocoa-backed or latex backed mats may discolor Homestead.