

Hartco Wood Foam Tile

Installation Recommendations Using Hartco Professional Wood Parquet Foam Back Adhesive 100

GENERAL INFORMATION

- A. Use only Hartco Professional Wood Parquet Foam Back Adhesive 100 when installing Hartco Wood Foam-Tile.
- B. Hartco Wood Flooring can be installed on concrete slabs, existing wood floors, plywood, sheet goods, resilient tile, terrazzo, marble, slate, and ceramic tile as long as they are flat, clean, structurally sound, dry, and will remain dry.
- C. On new construction, floor tile should be installed after all other construction is complete, but prior to the wall base trim molding.
- D. When remodeling, remove all wall base trim molding prior to starting installation of the floor tile. If the base trim is not removed, trim out the area with 3/4" quarter round molding after the installation is completed.
- E. If the base trim molding is removed prior to installation, use a sharp cutting blade to separate paint between the wall and the base trim molding.
- F. Satisfactory performance of wood floors is greatly influenced by its environmental conditions. A temperature of 70° F and a relative humidity between 35-50% are ideal. Temperatures of the subfloor, adhesive and flooring should be over 60° F (16° C) during installation.
- G. STORAGE:** Store your Hartco Wood Flooring in a dry place. Provide at least a four inch space under and around Hartco parquet boxes stored on on-grade concrete floors and next to outside walls.
- H. EQUIPMENT NEEDED:** Band saw or sabre saw, handsaw, chalk line, tape measure and carpenter square. Use a Hartco square notch 1/16" x 1/16" x 1/16" trowel.
- WARNING:** METAL WIRES ARE EMBEDDED IN HARTCO PARQUET FLOORING AND EXTREME CARE AND CAUTION SHOULD BE USED WHEN CUTTING OR TRIMMING THIS FLOORING TO AVOID THE RISK OF PERSONAL INJURY. DO NOT USE CIRCULAR SAWS. APPROVED SAFETY GOGGLES SHOULD BE WORN AT ALL TIMES.
- I. Wood swells and expands with any increase in moisture content. A 1/2" expansion space around the entire perimeter and around all fixed objects will allow for normal expansion of the floor.
- J. CAUTION:** Urethane chemical topcoats should not be applied over Hartco wood parquet other than the urethane applied during the manufacturing of prefinished Hartco wood parquet. Urethane applied on the job may interfere with the ability of parquet to perform satisfactorily when normal expansion and contraction of the wood occurs due to change in

moisture content. Adding another finishing material over the existing finishing material that was applied during manufacturing may produce unsatisfactory results. Results obtained by applying any type of finishing material over Hartco wood parquet after leaving the manufacturing facilities are beyond our control.

- K. Use coasters to distribute the weight of heavy furniture, appliances, etc. with small supports to prevent any possible damage to parquet. With foam backed floors installed in desk areas, Hartco recommends the use of chair pads.
- L. HARTCO WOOD FOAM-TILE IS NOT RECOMMENDED FOR BELOW GRADE INSTALLATIONS OR BATHROOMS. THE MOISTURE FREQUENTLY ASSOCIATED WITH SUCH LOCATIONS MAY PREVENT SATISFACTORY RESULTS.
- M. Do not tape protective paper or material to the surface of the urethane finish. This may cause the urethane to peel when removing the tape.

SUBFLOORS - GENERAL

- A. When installing over existing floor coverings, make sure that the floor covering is completely secured to the subfloor. No perimeter or loose laid sheet goods are acceptable. When installing over non-urethane sheet goods that are less than one year old, Hartco Vinyl Primer 800 must be applied and cured before installing the flooring. Urethane sheet goods may need the surface abraded so the adhesive will adhere to it. A product called Monoleum made in Korea is not an acceptable surface for Hartco flooring.
- B. Wood subfloors should be plywood, underlayment grade particle board, OSB board, flake board, etc., or tongue and groove boards not over 3 1/4" wide. Any existing squeaks in the subfloor must be eliminated before spreading adhesive. Wood subfloors should not be over 13% moisture content, 8% moisture content is best.
- C. Concrete slabs containing antifreeze chemicals, admixtures, or curing compounds that are hygroscopic should be avoided.
- D. Remove any sealer or primer that has been applied over the subfloor surface.
- E. DO NOT INSTALL OVER RADIANT HEATED SUBFLOORS.

STEP NO. 1 PREPARATION OF DOOR JAMBS AND SUBFLOORS

- A. All door trim and door jamb moldings should be undercut 1/16" more than the thickness of the floor tile. Place a floor tile against the door frame as a depth guide if a hand saw is used.

- B. Remove paint, plaster, or other foreign material such as wax, dirt, etc. that would interfere with a good adhesive bond with the subfloor.
- C. Thoroughly broom sweep the room and then vacuum the entire area.
- D. SUBFLOORS SHOULD BE FLAT WITHIN 3/16" IN 10 FEET OR 1/8" IN 6 FEET. FILL LOW SPOTS WITH PATCHING OR LEVELING COMPOUND. HIGH SPOTS SHOULD BE GROUND LEVEL. LATEX LIQUID AND POWDER LEVELING COMPOUND CAN BE USED UP TO 1/8" IN THICKNESS. LEVELING OR PATCHING COMPOUNDS USED IN AREAS THICKER THAN 1/8" NEED TO HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. PATCHING COMPOUNDS MUST THOROUGHLY DRY BEFORE INSTALLING ON THEM.

STEP NO. 2 LINING OFF THE AREA

- A. Establish a chalk line parallel to and 24 1/2" away from the starting wall opposite the entrance doorway. THE 1/2" IS FOR EXPANSION SPACE.
- B. Snap a second chalk line 90° to the first chalk line, 24 1/2" away from the right angle wall (See diagram No. 1). THE 1/2" IS FOR EXPANSION SPACE.

STEP NO. 3 SPREADING HARTCO PROFESSIONAL WOOD PARQUET FOAM BACK ADHESIVE 100

- A. It is important that Hartco Professional Wood Parquet Foam Back Adhesive 100 be spread to develop a proper bond between the subfloor and the floor tiles.
- B. Use the Hartco trowel specified in GENERAL INFORMATION (H).
- C. Hold the trowel at a 45° angle to the floor when spreading the adhesive. This is the best angle to obtain a spread of 100 sq. ft. per gallon, depending on the smoothness of the subfloor.
- D. After both chalk lines (at 90° to each other and 24 1/2" away from each wall) have been snapped, start spreading the adhesive in the 24 1/2" wide area next to the starting wall.
- E. When not in use, keep the adhesive container tightly closed to prevent evaporation. Evaporation could cause difficulty in spreading the adhesive.
- F. Proper ventilation within the room must be provided by opening the windows and doors. An electric fan is helpful.
- G. Continue spreading the adhesive along the entire length of the starting wall. Be careful not to spread adhesive beyond the 24 1/2" chalkline.

STEP NO. 4 INSTALLING THE FLOOR TILES

- A. Immediately lay the floor tiles on the newly spread adhesive. DO NOT lay the floor tiles

on dry adhesive. (Always lay the floor tiles on wet adhesive.) If adhesive becomes too dry, scrape up the old adhesive and spread more adhesive. Installing wet adhesive eliminates rolling the floor with a heavy roller. Important: Stand or kneel on the subfloor during the installation. DO NOT stand, kneel or press on the floor tiles during installation.

- B. PROPER PLACEMENT OF THE FIRST FLOOR TILE IS THE KEY TO THE ENTIRE INSTALLATION. Carefully place a 12" x 12" floor tile at the intersection of the two chalk lines. (See diagram No. 2). Line up the tile so the edges of the tile surface are aligned directly on both chalk lines.
- C. Lay the second floor tile ahead of the first tile to fit 1/2" from the starting wall. Gently lock in the tongue and groove between the first and second floor tiles (see diagram No. 3)
- D. Recheck to be sure both floor tiles are properly lined up with the chalk lines. This is to assure a square starting wall area (see diagram No. 3).
- E. Now continue laying the balance of the 12" x 12" floor tiles along the starting wall area (see diagram No. 3). Put each floor tile in place and gently push the floor tiles together to interlock the tongue and groove. Align each floor tile squarely.
- F. Do not push or shove the floor tiles too strenuously as this could cause the first and second floor tiles to move. Simply realign them and proceed with the installation.
- G. Avoid hammering or forcing the floor tiles together as this will destroy the built-in expansion and may even destroy the squareness of the floor tile.
- H. After laying the floor tiles across the first 24 1/2" starting area, trim the last floor tiles as needed to obtain the proper 1/2" expansion space next to the walls. Use a small band saw or sabre saw for final trimming. Firmly secure each floor tile when cutting with a sabre saw.

**STEP NO. 5
COMPLETING THE INSTALLATION**

- A. When the starting area has been completed, including cutting to the wall, proceed to the second laying area.
- B. The second laying area is quite simple as you now have sufficient floor tiles installed to resist floor tile movement.
- C. Again, cut the last floor tiles to allow a 1/2"

expansion space from the end wall.

- D. Proceed by laying areas 3-4-5, etc., repeating the installation procedure of the starting area. Trim out each laying area before proceeding to the next area.
- E. Maintain the 1/2" expansion space around the perimeter of the room and around all fixed objects.
- F. Avoid pressing heavily or stepping on the recently laid floor tile as this may destroy the rigging of the adhesive and positioning of the tile.
- G. Allow a minimum of 24 hours drying time before moving furniture or walking on your newly laid Hartco Solid Oak Parquet Floor.
- H. If adhesive has gotten on the top surface of the installed floor, we recommend the removal with Hartco Wipe Clean applied with a cloth. Hartco Wipe Clean can also be used to clean tools.
- I. **CAUTION:** Do not cover the new installation with a protective covering for at least two weeks. This may prevent drying of the adhesive.

HARTCO MOLDINGS

- A. **Reducer Strip** - a teardrop shaped molding 3/8" or 7/16" thick x 1 1/2" wide x 78" long. Used around fireplaces, doorways, as a room divider, or as a transition between Hartco Parquet and adjacent floor coverings that are less thick. Fasten down with adhesive or double faced tape.
- B. **Threshold** - a variable thickness molding 2" wide x 78" long. Used against sliding door tracks, fireplaces, carpet, ceramic tile, or existing thresholds to allow for expansion space and to provide a smooth transition in height difference. Fasten to subfloor with adhesive and/or nails through the heel. Pre-drill nail holes to prevent splitting
- C. **Stair Nosing** - a molding undercut 3/8" or 7/16" x 2 3/4" wide x 78" long. Used to trim stair landings, elevated floor perimeters, and stair steps. Fasten down firmly with adhesive and nails or screws. Pre-drill nail holes to prevent splitting.
- D. **Quarter Round** - a molding 3/4" thick x 3/4" wide x 78" long. Used to cover expansion space next to baseboards, case goods, and stair steps. Pre-drill and nail to the vertical surface, not into the floor.
- E. **Combination Base & Shoe** - a molding 2"

high x 3/4" thick x 78" long. Used to cover expansion space between the floor and the wall. Pre-drill and nail into the wall, not the floor.

- F. **T Molding** - a variable thickness molding 2" wide x 78" long. Used as a transition piece from one flooring to another or to gain expansion spaces. Fasten at the heel in the center of the molding.

As with all hardwood flooring, it is important to properly clean and maintain this Hartco Parquet floor in order to prevent substances, including but not limited to water, food, and grease, from making the flooring slippery.

The above suggested recommendations for the installation of Hartco Wood Foam-Tile are predicated on tests believed to be reliable; however, since each application and use is beyond our control, we do not guarantee the results to be obtained.

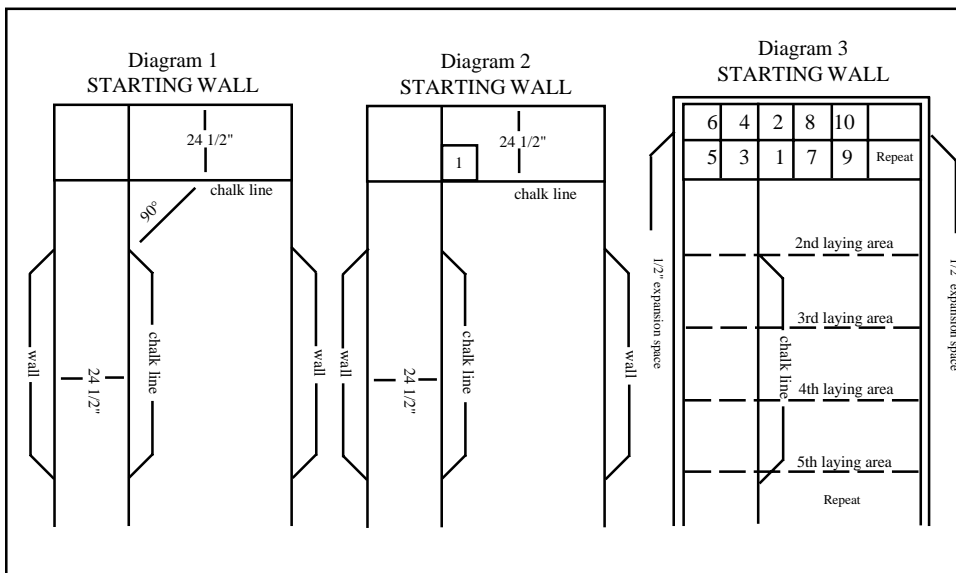
Reducer Strip

Stair Noising

Quarter Round

Threshold

T-Molding



Hartco
Quality Wood Flooring
An Armstrong Company

Hartco Flooring Company
P.O. Box 4009
Oneida, TN 37841
(423) 569-8888

©1997 Hartco Flooring Co., 4/00
Item No. 94001