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GARRISON

INSTALLATION INSTRUCTIONS

QUIETSTEP 5MM VINYL FLOORING

GARRISON
COLLECTION

Garrison QuietPath 5 mm Glue Down Floor Installation Instructions

Recommended Adhesives:
DriTac 5900 MegaBond is recommended.
Mapei Eco 373 is recommended.
See your local sales representative for more information.

Product Information

- QuietPath 5 mm has attractive visuals along with a durable construction that offers tremendous dimensional stability and added sound absorption.

General Information

- Resilient flooring installation should be scheduled after all other trades have completed their work.
- All products should match the order and be inspected prior to installation for style, size, quality, and shipping damage as well as color consistency between lot numbers. Products should not be installed if any irregularities are observed. Any material installed with visual defects will not be considered a legitimate claim as it pertains to labor cost.
- Always follow adhesive manufacturer instructions and guidelines.

Storage and Handling

- Flooring, adhesive, and sub-floor must be acclimated to a stable condition before installation for a minimum of 48 hours prior to installation.
- Cartons of vinyl should be removed from pallets and separated from one another as part of the acclimatization process.
- All flooring materials must be stored flat and kept away from direct sunlight, heaters, or air vents for proper conditioning.

Job Site Conditions

- Do not install Garrison vinyl glue down floor products until the work area can be temperature controlled.
- Ambient Temperature: Controlled environments are crucial. Fully functional HVAC systems are the best way to ensure temperature and humidity control. The permanent HVAC system must be operational and functional and set to a minimum of 65° F (20° C) or a maximum of 85° F for a minimum of 48 hours prior to, during, and after installation to ensure proper product and adhesive functionality.
- The sub-floor must be at a minimum temperature of 50° F (10° C).
- Ambient Humidity: The recommended ambient relative humidity should be between 35% and 65%.

Sub-floor Conditions

- All substrates to receive resilient flooring shall be dry, clean, smooth and structurally sound. They shall be free of dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, curing, sealing, hardening/parting compounds, alkaline salts, excessive carbonation/laitance, mold, mildew, and other foreign materials that may stain or prevent adhesion, smooth, flat, sound, fit for purpose, free of movement, excessive moisture and high alkalinity (ACI 302.1 and ASTM F710).
- Remove existing floor covering, all residual adhesive, paint or other contaminants. The use of adhesive removers, solvents, or ANY TYPE OF CHEMICAL ABATEMENT in the removal of old adhesives is prohibited and will void any warranty.
- The surface shall be flat to 3/16” (3.9mm) in 10 ft. (3050 mm) and 1/32” (0.8 mm) in 1 ft. (305 mm). To check flatness, place a 10 ft. straight edge, string, laser level or use another suitable method on the surface to measure any gap.
- No floor covering is better than the sub-floor over which it is installed. The finished appearance and performance of the floor covering will be and affected, in part, by the condition of the sub-floor. Adequate and careful attention to this will help prevent ridging and tunneling, and bumps caused from dirt or other textures.

- Careful sub-floor preparation is vital for an excellent floor appearance and good tile/plank adhesion. The sub-floor must be smooth, firm, flat, clean, dry, free from defects, and fit for purpose. A suitable smoothing compound shouldbe used to ensure that no irregularities show through to the surface of the finished floor.
- In all cases, the sub floor must meet the moisture and pH requirements before installation.
- Below and on-grade concrete sub-floors must have a suitable vapor retarder properly installed directly beneath the slab.

Concrete Sub-floors

- Garrison Collection suggests referencing the current ASTM F710, "Standard Practice for Preparing Concrete Floorsto Receive Resilient Flooring" and ASTM F301.
- Concrete sub-floors must have a minimum compressive strength of 3000 psi. Concrete sub-floors shall not consist of lightweight concrete or gypsum.
- Moisture Testing: Perform either the preferred In-situ Relative Humidity (RH) Test (ASTM F2170) or the acceptable Moisture Vapor Emission Rate (MVER) Test (ASTM F1869). For acceptable moisture limits, please refer to the Garrison Collection recommended adhesive specifications.
- Alkalinity: Must test surface alkalinity (ASTM F710). A 7.0 to 9.0 pH is acceptable.
- Perform corrective actions necessary for elevated moisture or high alkalinity conditions.
- Record and document site conditions, test results and any corrective actions taken. This documentation must beavailable throughout the warranty period.
- Slick surfaces, such as power troweled concrete, shall be abraded or profiled to allow for a mechanical bond be-tween the adhesive and sub-floor.
- For concrete sub-floors use only high quality Portland cement- or synthetic gypsum-based materials (minimum 3000 psi compressive strength according to ASTM C109). Mix with water only, do not use latex. Caution: Do not lightly skim coat highly polished or slick power troweled concrete surfaces. A thin film of floor patch will not bond to a slick sub-floor and may become a bond breaker, causing flooring to release at the interface of the sub-floor and patching material. If in doubt, perform a bond test prior to commencing with the installation.
- Moisture Suppressant System:
    - Concrete sub-floors that exceed Garrison Collection recommended adhesive specifications will require a Moisture Suppressant System. Due to complexities associated with moisture vapor transmission, emissions and movement ofsoluble salts (alkalinity) in concrete sub-floors we do not offer, recommend, or warranty a specific solution for excessmoisture in concrete slabs. However,
    - There are many companies that offer solutions with warranties for excess moisture in concrete slabs. Reference the current ASTM F710, "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring" and ASTM F301"Standard Practice for Two Component Resin Based Membrane Forming Moisture Mitigation Systems for Use UnderResilient Flooring Systems."

Wood Sub-floors Underlayment

- Garrison Collection recommends the use of suitable underlayment materials, which have been designed or engineered specifically for resilient flooring. Selection and installation of suitable underlayment products is the responsibility of the individual(s) installing the flooring.

Pre-Installation

- Ensure that all recommendations for sub-floor and job site conditions are met prior to beginning the installation.
- Refer to adhesive instructions for proper usage, trowel size recommendations andmoisture tolerances. Failure to do so risks voiding the warranty.
- Flooring installation layout shall be specified by the architect, designer, or end user.
- Start of flooring installation indicates acceptance of current sub-floor conditions and full responsibility for completed

work.

- Working out of multiple boxes at a time is recommended for proper variation in flooring install.

Installation

- First, determine how you want the flooring to install. Typically for plank products, the flooring runs with the length of the room.
- To avoid narrow plank/tiles widths or short plank/tiles lengths near the walls/doors, it is important to do some pre-planning. Using the width of the room, calculate how many full boards/tiles will fit into the area and how much space remains that will need to be covered by partial planks. Divide the remaining space by two to calculate the width of the partial planks/tiles. Try where possible to plan for at least a half of a plank/tile to be on the perimeter. Do the same for the length of the room to avoid weakness in the last small tiles.
- The maximum area that can be installed without an expansion joint is 33' x 66' (10m x 20m).
- It is also recommended the installation can be balanced from the center of the area (find the center of the room by snapping a chalk line from center points of opposite walls.
- The planks or tiles should be installed from one corner of the room working your way out toward the other the wall.
- Perimeter Spacing:
    - Planks or tiles should be placed 1/4 inch off the wall. Also ensure a distance of 5 mm (the thickness of the floor) to all fixed objects in the room, such as pipe passageways, door frames etc.
- Start the next row. Planks should be installed randomly staggering the end joints not less than 6" from the previous row end joint.
- Keep planks and tiles tight to the surrounding floor.
- When fitting around door jambs or other irregular objects, First make a pattern using heavy paper or poster board. Trace the pattern onto the flooring and cut with a utility knife.
- If a seam is not tight, you should be able to easily lift the plank and reposition.
- If you use the spacers for expansion gap from wall, then please remove spacers and install molding pieces.
- Once floor is has been completely laid, you roll the entire glued floor area with a 3-section 100 lb. roller within the adhesive'sworking time to ensure proper adhesion.
- The work must be completed with an inspection. Ensure that the newly laid floor is free from adhesive residues.

Post Installation

- Do not walk, or place furniture, appliances or other items on floor for at least 24 hours.
- Never slide appliances or other heavy items across the floor. Use plywood and a hand dolly or an approved air ride appliance moving device.
- Use walk-off mats without rubber backing to control grit.
- Use furniture glides and protectors to prevent scratching and indentations.
- Recommend all rolling chairs have castors designed for resilient flooring.
- Do not wet-wash, scrub or strip the floor for a minimum of 7 days following installation.
- To finish the perimeter of the room, install baseboard molding using finishing nails. Nail trim directly into the base-board, NOT the flooring.

Cleaning and Maintenance

- The installed floor should be maintained temperature of 55° F (13° C) and 86 °F (30° C) throughout its service life.
  Prevention
    - Always protect floors when moving heavy objects to prevent permanent scratches and tears.
    - Use appropriate wide floor protectors under tables, chairs, and any heavy furnishing to avoid permanent damage.
    - Place walk-off mats at all entrances, it helps protect the floor from water, grease, sand and dust.
    - During peak sunlight hours, the use of blinds or curtains is recommended. Prolonged direct sunlight can result in discoloration and volatile temperature variations causing damage to the floor.
    - Do not allow solvent to the seams, as this may cause it damaged or become moldy.

Routine Maintenance

- Routine cleaning is important to prevent particles from abrading the surface of resilient floors.
- Clean the floor surface regularly with a pH Neutral floor cleaner (for example ZEP Neutral Floor Cleaner, available on Amazon.com).
- General cleaning can be carried out by sweeping, vacuuming, wet wiping.
- Use a dry cloth or vacuum cleaner for cleaning. When water or any cleaning liquid is used, please *damp mop*: water droplets should not pour from mop head..
- All stain-forming and aggressive substances must be immediately removed from the surface .
- Periodically wax the floor surface to keep it remaining better.

NOTE: Garrison Collection does NOT warrant installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor. Your Garrison LVT Glue Down Floor should be professionally installed by contractors that have demonstrated expertise in installing resilient floors.

Questions regarding the installation of your Garrison LVT Glue Down Floor?
Please contact Garrison Collection at (800) 556-9003