

Installation Guide

Base Preparation

I. GENERAL INFORMATION

The **VersaTREAD** line of products for impact sound insulation is engineered to provide better performance than any other sound control product available and has been rigorously tested to achieve proven results. Made from up to 94% recycled rubber content and backed by over 100 independent laboratory and field tests, **VersaTREAD** has been selected and used in some of the best hotels and condominiums in the world.

With the use of **Pliteq® FAS1** adhesive, it can be installed over a variety of subfloors and underlayments. All floor covering assemblies shall have prior approval before installation.

II. JOB SITE CONDITIONS

Areas to receive **VersaTREAD** should be weather-tight and maintained at a minimum, a constant room temperature between 65°F - 95°F (18°C - 35°C) for 48 hours before, during, and after installation.

III. SUBFLOOR REQUIREMENTS AND PREPARATION

NOTE: Please follow the subfloor requirements and preparation recommendations determined by the flooring manufacturer. Use the following subfloor requirements and preparation guidelines only when no such recommendations exist for the floor finishing product.

1. All subfloors/substrates must be inspected prior to installation.
2. Install **VersaTREAD** over wood, concrete, and approved self-levelling materials.
3. Wood subfloors should be double-construction with a minimum thickness of one inch. The floor must be rigid and free from movement with a minimum of 18 inches of well-ventilated air space below.
4. Wood subfloors (when installed with the use of grouted floor coverings like tile) must be prepared according to ANSI L/360 standards, as required by the floor covering manufacturer.
5. Concrete floors must be fully cured and permanently dry. The subfloor shall be dry, clean, smooth, level, and structurally sound. It should be free of dust, solvent, paint, wax, oil, grease, asphalt, sealers, curing and hardening compounds, alkaline salts, old adhesive residue, and other extraneous materials, according to ASTM F710.
6. The subfloor should be smooth to prevent irregularities, roughness, or other defects from affecting the material above it. The surface should be flat to the equivalent of 3/16" in 10', as described in ACI 117R, or as recommended by the floor manufacturer.
7. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. DO NOT use solvents.



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8. Grind high spots until level and fill low spots with an approved leveling compound.
9. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with an approved patching/levelling compound. Allow patching material to dry thoroughly.
10. Any concrete subfloor can be a source of moisture-related flooring failures. It is the installer's responsibility to test the concrete or other cement-like material for moisture.
11. Maximum moisture vapor emission of the concrete must not exceed 5 lbs/1,000 ft² in a 24-hour period, as measured by the calcium chloride test method in accordance with the ASTM F1869 standard. If vapor emissions exceed acceptable limits, **Pliteq FASHM** adhesive must be used for conditions up to 10 lbs/1,000 ft² in 24 hours, or a **Pliteq** recommended vapor retardant must be used.
12. **Pliteq FAS1** adhesive can be used for relative humidity conditions up to a maximum of 100%, as measured by the relative humidity test method in accordance with the ASTM F2170 standard. If relative humidity exceeds acceptable limits, please contact your local Pliteq engineer.

IV. HAZARDS

A. SILICA WARNING

Concrete, floor patching compounds, toppings, and levelling compounds can contain free crystalline silica. Cutting, sawing, grinding, or drilling can produce respirable crystalline silica (particles 1-10 micrometers). Respirable silica is classified by OSHA as a 1A carcinogen and is known to cause respiratory diseases like silicosis. Avoid actions that cause dust to become airborne. Use local or general ventilation or protective equipment to reduce exposure below applicable exposure limits.

B. LEAD WARNING

Certain paints may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Refer to applicable federal, state, and local laws and the publication, *Lead Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing*, available from the United States Department of Housing and Urban Development.

C. ASBESTOS WARNING

Resilient flooring, backing, lining felt, paint, or asphaltic "cutback" adhesives could contain asbestos fibers. Avoid actions that cause dust to become airborne. DO NOT sand, dry sweep, dry scrape, drill, saw, beadblast, mechanically chip, or pulverize. Regulations may require that the material be tested to determine asbestos content. Consult the documents titled, *Recommended Work Practices for Removal of Existing Resilient Floor Coverings*, available from the Resilient Floor Covering Institute.



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V. MATERIAL STORAGE AND HANDLING

1. Deliver the material to the job site in its original unopened packaging with all labels intact and stored appropriately to prevent damage.
2. Inspect all material for visual defects before beginning the installation. **Pliteq** will honor no labor or shipping claims on materials.
3. Verify the material delivered is the correct type, thickness, and amount. Report any discrepancies immediately.
4. Installation of the material constitutes acceptance of the product as proper, and no claim will be honored for the installation of improper or defective material.
5. The material and any adhesive must be acclimated at room temperature for a minimum of 24 hours before starting the installation.
6. Roll material is stretched slightly when it is rolled at the factory. At the job site, the installer should allow all cuts to relax before gluing down. Shaking the material once it is unrolled can help it to relax more quickly.

Products

I. VersaTREAD

DESCRIPTION & APPLICATION

A versatile and durable Rubber Floor – used for a wide range of market segments, including sport, fitness, schools, commercial spaces, and retail environments.

VersaTREAD is made from recycled rubber content and coloured EPDM granules, crafted with precision and engineered for performance. **Pliteq Floorings'** rubber is designed to meet the unique needs of each market, ensuring safety, comfort, and style for all.

II. Pliteq FAS1

DESCRIPTION

Pliteq FAS1 is a one-component, polyurethane-based adhesive. It is solvent free, has low-odor and is compliant to SCAQMD Rule 1168 for VOC content. This adhesive does not contain any materials listed on California Proposition 65. This specially formulated adhesive has good early strength buildup for immediate grab and quickly builds into an aggressive bond. When used according to directions this adhesive forms a solid membrane below the flooring to protect it from subfloor moisture.



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APPLICATION

Pliteq FAS1 is ideal for glue-down installations, for **GenieMat®** sound control underlayments, GenieMat finished floors including **GenieMat FIT** tiles, **VersaTREAD™** rubber flooring, a broad variety of vinyl/rubber/linoleum floors, all types of engineered, solid or acrylic impregnated wood flooring and bamboo. Approved substrates and surfaces for **Pliteq FAS1** include, APA underlayment grade plywood and OSB; cement backer board; cementitious and anhydrite screeds; concrete and radiant heated subfloors that do not exceed 85°F (30°C); gypsum and lightweight concrete (primed with **Pliteq FAS-PS**); terrazzo (properly prepared with all waxes and surface finishes removed).

III. Pliteq FAS3

DESCRIPTION

Pliteq FAS3 is a firm-set transitional pressure sensitive adhesive with an aggressive fast grab formulation, allowing it to handle light foot traffic immediately. It is a solvent and isocyanate-free adhesive that is nonflammable, with a high moisture tolerance, low odor and low VOCs. This adhesive contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200, and meets all federal, state, and local government indoor air quality regulations. It also has excellent plasticizer migration resistance, allowing for the installation of a wide variety of vinyl-based products.

Pliteq FAS3 will not form a moisture vapor barrier and will not protect flooring from moisture damage. For more information on adhesives within the Pliteq family that will aid in this please contact your local Pliteq engineer.

APPLICATION

Pliteq FAS3 is ideal for the glue-down installation of **GenieMat®** sound control underlayments, and for bonding specified luxury vinyl tile, vinyl plank, both heterogeneous and homogeneous sheet and tile, fiberglass-backed sheet, VCT, linoleum, recycled rubber, vinyl backed and non vinyl backed resilient flooring and rubber flooring to **GenieMat** sound control underlayments. Approved substrates and surfaces for **Pliteq FAS3** include, APA underlayment grade plywood and OSB; association grade particleboard; cement backer board; cementitious and anhydrite screeds; concrete and radiant heated subfloors that do not exceed 85°F (30°C); existing well-bonded noncushion-backed vinyl, tile and sheet flooring; gypsum and lightweight concrete (primed with **Pliteq FAS-PS**); terrazzo (properly prepared with all waxes and surface finishes removed).

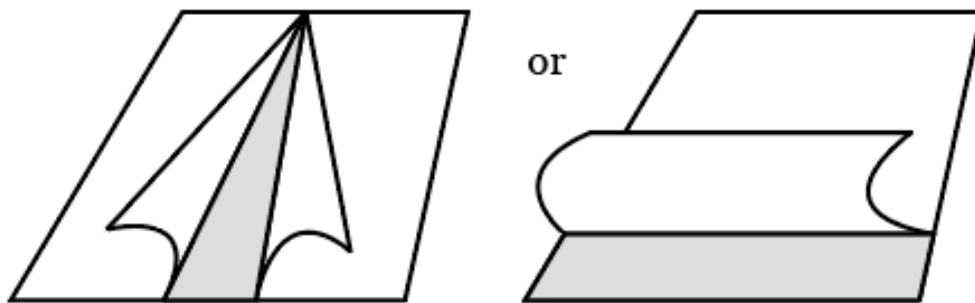


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Installation

VersaTREAD

1. Roll out the rolls in a single direction and flip over. DO NOT ROTATE THE ROLLS INTO MULTIPLE DIRECTIONS.
2. Let rolls relax for at least 24 hours inside the space where they will be installed.
3. Place the roll into position (maintaining the singular direction without rotating the rolls), cut to size using a utility knife and dry fit the material into place. Stagger and overlap the end seams by around 3-6 inches. After allowing for acclimation, use a square to trim the end seams for a snug fit without any gaps.
4. Place adjacent rolls in position (maintaining the singular direction without rotating the rolls), overlapping seams of **VersaTREAD** by 1/16" (no more than 1/8").
5. All seams must be staggered by at least 20". However, staggering by a longer distances are more visually appealing.
6. If the rolls don't extend the entire length or width of the room, it might be necessary to trim the edge of the second linear drop. Keep in mind that aligning rolls with a width difference of over 1/4" could lead to seams that peak.
7. Roll back half the roll along either the long seam or short seam.

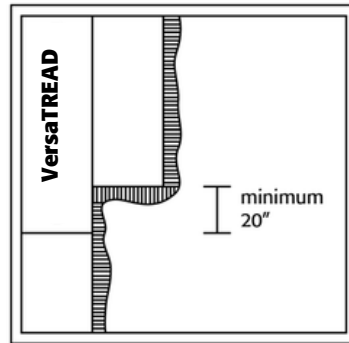


8. Trowel out adhesive into the newly exposed subfloor using an appropriate notch trowel from the adhesive product specification guide. The **Pliteq FAS1** adhesive is a wet set adhesive. Do not let adhesive flash. Open time is a maximum of 30 minutes.

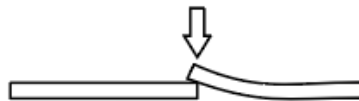


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9. Fold the material back over by walking it back into place as the material can become misaligned without proper care.

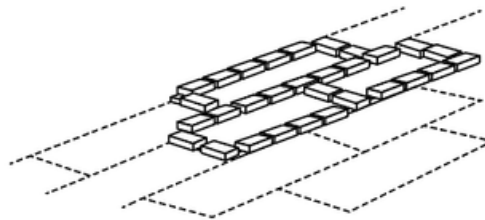


10. Once roll is completely laid out, push down overlapped seam with a hand roller to be flush with adjacent roll. Do this for both long and short seams.



11. Roll the **VersaTREAD** using the 50 lb (20 kg) roller.

12. Lay out bricks along both long and short seams covering 100% of the seams. Use sufficient weight to hold the material flat to the subfloor.



Note: Allow for a minimum of 24 hours for the adhesive to cure prior to removing any bricks.



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VersaTREAD (Vertical)

1. Roll out the rolls in a single direction and flip over. DO NOT ROTATE THE ROLLS INTO MULTIPLE DIRECTIONS.
2. Let rolls relax for at least 24 hours inside the space where they will be installed.
3. Place rolls into position on the wall (maintaining the singular direction without rotating the rolls), cut to size using a utility knife and dry-fit material into place.
4. Align neighboring butt joints with each other. Either butt joints tight to each other or overlap joint and trim overlapped material to create a tight seam.
5. Once material is cut to size, lay back down on the floor with side that will receive the adhesive facing up.
6. Trowel out adhesive using the appropriate notch trowel and **Pliteq FAS3** adhesive (refer to **Pliteq FAS3** product spec guide). Adhesive should be spread on both the **VersaTREAD** Rolls and the wall it is being applied to.
7. After proper coverage has been achieved with the appropriate notched trowel, using a 3/8" nap roller, roll the previously troweled out adhesive on both the **VersaTREAD** Rolls and the wall surfaces. This will fill any voids within the material/wall and provide 100%, evenly distributed coverage.
8. After the **Pliteq FAS3** has been rolled, allow adhesive to dry to a tacky state (no residue transferred to finger when touched). This setup time will take approximately 30-90 minutes depending on ambient humidity. The adhesive will turn from a yellow to a tan color during this process.
9. Carefully align and position **VersaTREAD** Rolls onto the wall in its proper location.
10. Roll the GenieMat FIT Rolls using the hand roller to ensure proper transfer of adhesive.
11. Continue this process for each consecutive roll.
12. Allow 24 hours for the adhesive to cure before mounting anything to the walls in which **VersaTREAD** Rolls is applied.

