Equine Paver Tile 30 mm x 2x2 Ft.

Installation Instructions

I. SUB-BASE / SURFACE

Sub-Base Surface	Interior	Exterior
Concrete slab	Full glue or loose laid	Full glue
Plywood	Full glue or loose laid	Full glue

Please note:

A. "Full glue" requires full spread adhesive using EGrip III with 1/8" square notch trowel. Bond test is recommended; installer responsible to determine suitability.
B. Particle board, chip board/OSB, Masonite and lauan are not considered suitable underlayments

II. JOB SITE CONDITIONS

1. Installation should not begin until after all other trades are finished in the area. If the job Requires other trades to work in the area after the installation of the floor, the flooring should be protected.
2. Indoor areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65° F (18° C) for 48 hours prior to, during and after installation.
3. Outdoor areas require additional care when installing. Varying temperatures and humidity Levels may cause the rubber to expand and contract before the adhesive cures. Temperatures above 70°F and/or relative humidity above 50% will cause the adhesive to set up more quickly. Temperatures below 70°F and/or relative humidity below 50% will cause the adhesive to set up more slowly. The installer should monitor the on-site conditions and adjust the open time accordingly.

III. SUBFLOOR

Equine Paver Tiles may be installed indoors or outdoors over concrete or plywood.

NOTE: Gypsum based patching and leveling compounds are not acceptable
NOTE: The selected Portland-based patching and self-leveling materials must be moisture resistant and rated to withstand the RH moisture levels on the project.

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1. Wood Subfloors: Wood subfloors should be double construction with a minimum thickness of 1". The floor must be rigid, free from movement and have at least 18" of well-ventilated air space below.
2. Underlayments: The preferred underlayment panel is APA underlayment grade plywood, minimum thickness of 1/4", with a fully sanded face.

Note: Particle board, chip board/OSB, Masonite and lauan are not considered suitable underlayments.

3. Concrete Floors: Concrete shall have a minimum compressive strength of 3000 psi. It must be fully cured and permanently dry. Allow for 1" in 8 LF slope for drainage as applicable.

IV. CONCRETE BASE

1. Subfloor shall be dry, clean, smooth, level, and structurally sound. They 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.
2. Subfloor should be smooth to prevent irregularities, roughness, or other defects from telegraphing through the new flooring. The surface should be flat to the equivalent of 3/16" (4.8 mm) in 10 feet (3.0 m).
3. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. Do not use solvents. All high spots shall be ground level and low spots filled with a Portland-based patching compound.
4. All saw cuts (control joints), cracks, indentations and other non-moving joints in the concrete must be filled with a Portland based patching compound.
5. Expansion joints in the concrete are designed to allow for expansion and contraction of the concrete. If a floor covering is installed over an expansion joint, it more than likely will fail in that area. Expansion joint covers designed for resilient floor coverings should be used.
6. Always allow patching materials to dry thoroughly and install according to the manufacturers instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the adhesive.

HAZARDS:

SILICA WARNING - Concrete, floor patching compounds, toppings and leveling compounds can contain free crystalline silica. Respirable crystalline silica (particles 1-10 micrometers) can be produced by cutting, sawing, grinding, or drilling. Respirable silica is classified by OSHA as an IA carcinogen and is known to cause silicosis and other respiratory diseases. Avoid actions that cause dust to become airborne. Use local or general ventilation, or protective equipment, to reduce exposure below applicable exposure limits.

ASBESTOS WARNING - Resilient flooring, backing, lining felt, paint or asphaltic "cutback" adhesives can contain asbestos fibers. Avoid actions that cause dust to become airborne. Do not sand, dry sweep, dry scrape, drill, saw, beadblast or 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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LEAD WARNING - Certain paints can 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.

7. Moisture must be measured using the RH Relative Humidity test method per the ASTM F2170 test standard. Moisture content should not exceed the allowable limit of the selected adhesive.

    a. E-Grip III – RH limit of 85% – normally selected
    b. E-Grip 95 – RH limit of 95% – higher RH applications
    c. E-Grip 99 – RH limit of 99% – highest RH applications

    If RH levels exceed the selected adhesive’s RH limit, stop and correct situation.

    If outside, simply use E-Grip III

8. When a moisture mitigation system is required, it must conform to the ASTM F3010 Standard Practice for Two-Component Resin Based Membrane Forming Moisture Mitigation Systems for use Under Resilient Floor Coverings.
9. Perform pH tests on all concrete floors per ASTM F3441 Testing Concrete pH for Resilient Flooring. If greater than the allowable limit of the selected adhesive, neutralize prior to installation.
10. Adhesive bond tests should be conducted in several locations throughout the area. Glue down 3´x 3´ test pieces of the flooring with the recommended adhesive and trowel. Allow to set for 72 hours before attempting to remove. A sufficient amount of force should be required to remove the flooring and, when removed, there should be adhesive residue on the subfloor and on the back of the test pieces.

V. MATERIAL STORAGE AND HANDLING

1. Material should be delivered to job site in its original unopened packaging with all labels intact.
2. Material should only be stored inside on a clean, dry, smooth surface.
3. Inspect all material for visual defects prior to beginning the installation. No labor claim will be honored on material installed with visual defects. Verify the material delivered is the correct style, color, and amount. Any discrepancies must be reported immediately before beginning installation.
4. For indoor installations, the material and adhesive must be acclimated at room temperature for a minimum of 48 hours before, during and after installation.
5. Outdoor areas require additional care when installing. Varying temperatures and humidity levels may cause the rubber to expand and contract before the adhesive cures. Temperatures above 70°F and/or relative humidity above 50% will cause the adhesive to set up more quickly. Temperatures below 70°F and/or relative humidity below 50% will cause the adhesive to set up more slowly. The installer should monitor the on-site conditions and adjust the open time accordingly.

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Installation Instructions – continued

VI. ADHERED INSTALLATION

1. For indoor installations, the material and adhesive must be acclimated at room temperature for a minimum of 48 hours before, during and after installation.
2. Outdoor areas require additional considerations when installing. Varying temperatures and humidity levels may cause the rubber to expand and contract before the adhesive cures. Temperatures above 70°F and/or relative humidity above 50% will cause the adhesive to set up more quickly. Temperatures below 70°F and/or relative humidity below 50% will cause the adhesive to set up more slowly. The installer should monitor the on-site conditions and adjust the open time accordingly.

NOTE: Inspect all pavers for visual defects including shade variances prior to beginning installation. No labor claim will be honored on material installed with visual defects or shade variations. It may be necessary to lay out and hand select tiles for color consistency. Any discrepancies must be reported immediately before beginning the installation.

NOTE: Do not allow E-Grip III to cure on your hands or the flooring. Wipe off excess Adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove and we recommend wearing gloves!

3. Sweep area clear of all dust and loose debris.
4. Determine a starting point for the first course of pavers to best suit the site area. Because Most walls / borders are not straight or corners square, paver installation generally starts in the middle of the space. Measure the width and length of the space, divide the area into 4 equal quadrants and snap chalk lines that are perpendicular (90 degrees) to each other.
5. The first paver will be placed where the two perpendicular chalk lines meet.
6. Adjust starting point side-to-side to not end up with small cuts of tile against the walls.
7. After the above procedure is performed, begin application of E-Grip III, the recommended one-component polyurethane adhesive, using a 1/8" square-notch trowel for a yield of approximately 65 square feet per gallon.
8. Do not spread more adhesive than can be covered by pavers and rolled within 30 minutes.
9. Place the first paver into the wet adhesive making sure that its edges are precisely placed to the chalk lines where they intersect.
10. Lay pavers to perimeter, trimming outside pavers to fit against walls, edging / curb as required using a saber / jig saw using a coarse blade (7-9 TPI teeth per inch), or a bandsaw.

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