



I. 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 floor should be protected with an appropriate cover. Kraft paper or plastic works well.
2. Areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65°F (18°C) for 48 hours before, during, and after the installation.

II. SUBFLOORS

Amarco Products Quick-Lock Interlocking Tile may be installed over concrete, approved Portland-based patching and leveling materials, and wood.

NOTE: Gypsum-based patching and leveling compounds are not acceptable.

1. Wood Subfloors – 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.
2. Underlayments – The preferred underlayment panel is American Plywood Association (APA) underlayment grade plywood, minimum thickness of 1/4-inch, with a fully sanded face.

NOTE: Particleboard, chipboard, Masonite and lauan are not considered to be suitable underlayments.

3. Concrete Floors – Concrete shall have a minimum compressive strength of 3000 psi. New concrete slabs should cure for a minimum of 28 days before installing Quick-Lock Tile. It must be fully cured and permanently dried.

III. SUBFLOOR REQUIREMENTS AND PREPARATION

1. Subfloors 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. Subfloors 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' (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 an approved Portland-based patching compound.
4. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with an approved 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 will likely fail in that area. Use expansion joint covers designed for resilient flooring.
6. Always allow patching materials to dry thoroughly and install according to the manufacturer's instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the Amarco Products adhesive.



HAZARDS:

SILICA WARNING – Concrete, floor patching compounds, toppings, and leveling compounds can contain free crystalline silica. Cutting, sawing, grinding, or drilling can produce respirable crystalline silica (particles 1-10 micrometers). Classified by OSHA as an IA carcinogen, respirable silica is known to cause silicosis and other respiratory diseases. Avoid actions that may cause dust to become airborne. Use local or general ventilation or provide protective equipment to reduce exposure to below the 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 the asbestos content. Consult the document “Recommended Work Practices for Removal of Existing Resilient Floor Coverings” available from the Resilient Floor Covering Institute.

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 ASTM F2170 standard. Moisture content should not exceed 85% RH. If the levels exceed the limitations, the installation should not proceed until the situation has been corrected.
8. In the event that 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. It is essential that pH tests be taken on all concrete floors. If the pH is greater than 9, it must be neutralized prior to beginning the 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.

IV. INSTALLATION – TILES

1. **Inspect all materials for visual defects before 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 moderate to severe discrepancies must be reported immediately before beginning the installation.**

NOTE: Amarco Products Quick-Lock Tiles are manufactured from recycled materials and slight variance in shade and color chip dispersion is normal. It is the installer’s responsibility to inspect all products to insure the correct style, thickness, and color.

Tiles manufactured from mats are intended for smaller installations. Larger quantities resulting in multiple dye lots may not be of an exact match in shade or density. Every effort is made to ensure the best possible match, however Amarco Products makes no warranty on the exact match between dye lots. Any moderate to severe discrepancies should be reported immediately before beginning the installation.

2. Amarco Products Quick-Lock must also be installed in the same direction. (Directional markings stamped on the bottom of the tiles must point in the same direction.)
3. Measure the width of the area to be covered.
4. Mark the center of the area at two points, one at each end.
5. Snap a chalk line, line #1, through these two points.
6. Determine the center point of the chalk line.
7. Using a Carpenter's square or another method, snap a second chalk line, line #2, perpendicular (at 90°) to the first line. The lines should intersect at their centers.
8. The area to be covered is now divided into quarters. Begin the installation at the center of the area, where the two lines intersect. See diagram 3. Amarco Products Quick-Lock tiles must be installed in the same direction. (Directional markings stamped on the bottom of the tiles must point in the same direction.)

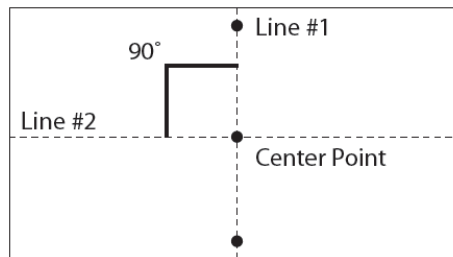


Diagram 3

NOTE: To lay in an ashlar configuration, snap a third chalk line parallel to line #2 and perpendicular to line #1. The distance between line #2 and line #3 should be half the width of the tile (9 or 18 inches). See diagram 4.

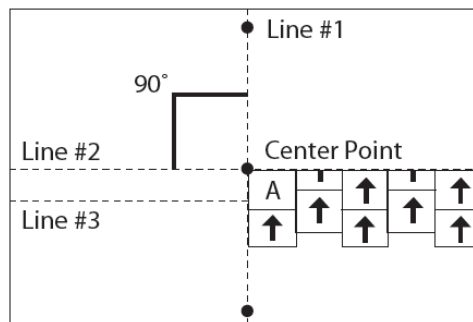


Diagram 4



Reminder: Arrows on bottom of tiles must point in the same direction.

4. Lay whole tiles from left to right along chalk line #1 up to the wall on the opposite side of chalk line #2. The last tile will likely have to be cut to fit against the wall.
5. Continue this process with each row until you reach the wall across from chalk line #1.
6. Keep traffic off the floor for a minimum of 24 hours. Floor should be kept free from rolling loads for a minimum of 72 hours.



IMPORTANT INFORMATION FOR THE INSTALLER

FLOOR PROTECTION

The specifier should include specification details to protect the floor post-installation and until job construction is complete, such as covering the entire floor with paper or other floor covering device (plastic, plywood, etc.) until construction is completed and thorough cleaning and maintenance can be implemented.

ASSIGNMENT OF CLEANING AND MAINTENANCE

The specifier should determine and assign the responsibility for the initial cleaning and finishing. This responsibility should be specifically assigned to either the flooring contractor, general contractor, maintenance contractor, or owner.

PRODUCTS AVAILABLE FOR PURCHASE

Amarco Products A-Cleaner

Amarco Products A-Strip

The recommendations contained in this manual are listed because of their extensive testing and field experience with the Amarco Products product. These instructions are given only as guidance to our customers and for use with our recommended tools and adhesives. Amarco Products cannot accept any responsibility for loss or damage that may result from the use of this information due to variations in working conditions and/or workmanship of the installer. Users are advised to conduct their own tests for a particular application and assign installers that are familiar with this type of flooring product.

Inspect all rolls and tiles for visual defects including shade variances prior to beginning installation. No labor claim will be honored on material installed with visual defects or shade variances. It may be necessary to lay out and hand select tiles for color consistency. Any discrepancies must be reported immediately before beginning installation. Ensure that all job site and subfloor conditions are met.



Steps	Cleaning Product	Mixture	Equipment
Initial Cleaning	A-Cleaner	10 oz./gal. water	Soft nylon brush or approved pad*
Daily Cleaning	A-Cleaner	2-4 oz./gal. water	Soft nylon brush, or microfiber mop
Heavy Soil & Restorative Cleaning	A-Cleaner or A-Strip	16 oz./gal. water	Approved pad*

* Please contact Amarco Products Technical Department for guidance on pad selection. 866-688-6287

VIII. CLEANING PROCEDURES

1. Initial Cleaning
 - a. Remove all surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming with a high CFM vacuum. For large areas, use auto scrubbers to clean floors.
 - b. Scrub floor with A-Cleaner (10 oz./gal. of water), using buffer or auto scrubber with a soft nylon brush or approved pad. Avoid flooding the floor.
 - c. Pick up solution with a wet vacuum, rinse with clean water, picking up the rinse water with a wet vacuum and allow to dry thoroughly (6-8 hours).
2. Daily/Regular Cleaning
 - a. Sweep, dust mop, or vacuum floor to remove surface soil, debris, sand, and grit.
 - b. Damp mop with a microfiber mop or auto- scrub using an approved pad or nylon brush with A-Cleaner (2-4 oz./gal. of water).
3. Restorative Maintenance
 - a. Sweep and dry vacuum floor thoroughly.
 - b. Heavy scrub floor with A-Cleaner (10 oz./gal. of water) or A-Strip. This cleaning may be performed with an auto scrubber or rotary scrubber.
 - c. Vacuum soiled solution with a wet/dry vacuum.
 - d. Rinse with clean water.
 - e. Pick up solution with wet vacuum.
 - f. Allow floor to thoroughly dry.
4. Heavy Soil
 - a. Remove as much surface soil, debris, sand, and grit as possible by sweeping, dust mopping, or vacuuming.
 - b. Scrub floor with A-Cleaner or A-Strip, using a buffer or auto scrubber with an approved pad.
 - c. Pick up solution with a wet vacuum, rinse with clean water and allow to dry thoroughly (6-8 hours).



All Amarco Products rubber flooring is guaranteed to be free from manufacturing defects on both material and workmanship. If such a defect is discovered, the customer must notify Amarco Products either through the contracting installer, distributor, or directly. If found to be defective within three years under normal non-abusive conditions, the sole remedy against the seller will be the replacement or repair of the defective goods, or at the seller's option, credit may be issued not exceeding the selling price of the defective goods.

Amarco Products Quick-Lock warranty shall not cover dissatisfaction due to improper installation, normal wear or quality of installation expected from the use or environment of installation, damage from improper maintenance or usage, or general misuse, including and without limitation: burns, cuts, tears, scratches, scuffs, damage from rolling loads, damage from cleaning products not recommended by Amarco Products, slight shade variations or shade variations due to exposure to direct sunlight, or differences in color between samples or photographs and actual flooring.

Excluded from Warranty - These warranties do not apply to the following:

1. The exact matching of shade, color or mottling.
2. Any express or implied promise made by any salesman or representative.
3. Tears, burns, cuts or damage due to improper installation, improper use or improper cleaning agents or maintenance methods.
4. Wear from chairs or other furniture without proper floor protectors will void the warranty. Care should be taken to protect the flooring from damage by using good quality protective feet for chairs, tables, and other furniture. Chair mats may be required under chairs with casters/wheels.
5. Labor costs for installation of original or replacement material.
6. Sale of "Remnants", "Seconds", "Off Goods" or other irregular (non-first-quality) flooring materials. With respect to "Seconds", "Off Goods", or "Remnants" such are sold "as is," and Amarco Products makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
7. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
8. Problems caused by uses, maintenance, and installation that are contrary to Amarco Products specifications, recommendations or instructions.
9. Material installed with obvious defects.
10. Damage to flooring products from high heels or spike heels.
11. Damage or discoloration to flooring products from rubber mats, rubber backed mats, or car tires.
12. Installation of Amarco Products products with adhesives other than those recommended by Amarco Products.
13. Fading and/or discoloration resulting from heavy sunlight penetration and ultraviolet ray exposure from direct or glass-filtered sunlight.
14. Material that is not installed and maintained as recommended by Amarco Products.
15. Damage to flooring products from pallet jack and tow-motor traffic.
16. Environments where the product will be exposed to animal fats, vegetable oils, grease or petroleum based materials. (i.e.: commercial kitchens or auto repair facilities.)
17. Premature wear and deterioration from spikes and skate blade exposure.
18. Differences in color between products and photography.
19. Embossing / density deviations between product and samples, photography.

These warranties are in lieu of any other warranty expressed or implied. Amarco Products shall not be liable for any incidental or consequential damages which may result from a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific rights, and you may also have rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or your State Attorney General.