

RESILIENT FLOORING

DOCUMENT NUMBER: 09650

APPLICATION: ELEMENTARY, MIDDLE AND HIGH SCHOOL

DATE OF ISSUE: 10-14-2023

NOTES:

Install new VCT using epoxy based adhesive on existing concrete slabs which may not have a vapor barrier.

Vinyl Composition Tile floors shall be finished by the Contractor as follows:

Prior to Substantial Completion and occupancy by the Owner, all VCT flooring shall be stripped and waxed as described in the guidelines listed below. Final coat shall be buffed to a high gloss.

Application of each coat shall be in strict accordance with manufacturer's instructions, following the recommended drying time between coats and preparation for high-speed buffing. Do not apply more coats in a 24-hour period than recommended by the manufacturer.

For renovation projects where existing VCT flooring will remain, remove existing floor finish(es) and wax(es) prior to application of new floor finish, utilizing the guidelines described in the sections below.

ATTACHMENTS:

None

SPECIFICATIONS for VCT INSTALLATION

1.0 SCOPE OF WORK: These Specifications establish the minimum requirements for installation of an estimated _____square feet of Vinyl Composition Tile (VCT) and _____ linear feet of black vinyl wall base. VCT will be installed over concrete floor unless stated different. The Contractor shall supply all labor, supervision, materials, equipment, supplies, removal and all other items necessary to complete the project.

1.1 Floor Preparation - Substrates must be dry, clean, sanded smooth and free from paint, varnish, wax, oils, solvents and other foreign matter. Preparation to include a skim coat with Mapei or Ardex over entire prepped area for a uniform smoothness.

1.2 Layout – The main color of the floor will be chosen by district. The Contractor shall provide a layout showing location and pattern of accent colors to the district for approval prior to installation.

1.3 Floor Finish – After installation, the contractor may be required to wax the floor in accordance with the District’s specifications and recommendation. The requirement of floor finish for a project will be project specific and will be communicated prior to work commencement.

1.4 Specifications for Vinyl Composition Tile and Cove base:

A. Manufacturer: Armstrong, Tarkett or Equal

B. VCT Size: 12” x 12”

C. VCT Colors: Determined by district, site

D. Wall Base – 4” vinyl to match existing base and/or VCT used for floor.

1.5 Site Cleanup: Contractor shall remove and dispose of all scrap tiles, wall base, and project generated dirt, debris, and residual materials on a daily basis, and prior to presentation to the district for final inspection.

1.6 Additional Tile: The Contractor shall leave with the work site any remaining partial boxes of tile for repair work, should it ever be necessary.

2.0 LOCATION: Various sites around district

3.0 COORDINATION: All work must be coordinated with **Robert Kublik 352-797-7050**. Ongoing activities may require work to be scheduled to avoid interference with those activities. Special scheduling will be coordinated through the schools.

4.0 FINAL INSPECTION AND ACCEPTANCE: Final inspection shall be scheduled with the maintenance department upon completion of work and attended by the Maintenance representative and the Contractor.

Floor finish procedures for New VCT

All new vinyl composite tile comes from the manufacturer with a coat of protective finish on each tile. This coat **must** be removed after installation and before floor finish is applied.

Depending on the manufacturer of the tile and the thickness of the manufacturer finish coating on the newly installed tile will determine if top scrubbing or stripping is needed.

When in doubt, follow the stripping procedures.

Products needed for top scrubbing and finish:

Buckeye Tenacity

Buckeye Liquimax

(Contact Buckeye for more information on Buckeye products 813-621-6260.)

Top Scrubbing

1. Make sure the room is free of furniture and other obstructions.
2. With a putty knife, scrape up all adhesive stuck to the floor. Use care not to gouge or scratch the floor.
3. Dust mop the entire floor area; pick up larger debris with the dust pan.
4. Block doorways and other areas to prevent scrubbing solution from going outside the area to be scrubbed.
5. Fill the mop bucket with properly diluted (1:64) Buckeye Tenacity (neutral floor cleaner).
6. Submerge mop in solution. Lift the mop and generously apply the tenacity solution to the floor.
7. Use a **slow speed** floor machine with a **blue scrubbing pad** or **green scrubbing pad** to scrub the floor. Make a minimum of two passes. Move the floor machine across the floor in overlapping strokes, carrying the solution along. Be sure to scrub first in one direction and then in the opposite direction. Pass two should be made perpendicular to pass one to ensure the entire floor has been covered.
8. Pick up the dirty solution with a wet vac.
9. Completely rinse the floor with clean water and then pick up the water with a wet vac. This may need to be done more than once to ensure all the solution has been removed from the floor.
10. After the floor has completely dried, check the surface to make sure it is now ready for new floor finish to be applied.
11. Apply Buckeye Liquimax floor finish with a rayon mop, micro fiber applicator or wax applicator. The floor should have a **minimum** of **five** coats of finish applied. Refer to the Floor Finish Application procedure section.

Floor Stripping

HCSB uses **Buckeye Penetrate** floor stripper, a green seal certified stripper.

1. Make sure all equipment, furniture, etc. has been removed from the area.
2. With a putty knife, scrape up all adhesive, gum, etc. stuck to the floor. Use caution not to scratch or gouge the floor.
3. Dust mop the entire floor area; pick up larger debris with the dust pan.

4. Block doorways and other areas to prevent stripping solution from going outside the area to be stripped.
5. Dilute the stripper using COLD WATER 32 fl. oz./gallon (1:4) in a mop bucket.
6. Submerge the mop (cotton mop) in the stripper. Do not wring the mop. Withdraw the mop and place it directly on the floor. Flood the floor with stripping solution.
7. Allow Penetrate to remain on the floor for 15-20 minutes. DO NOT ALLOW TO DRY ON FLOOR. If it does simply reapply the solution to maintain a wet surface.
8. Use a doodlebug with a stripping pad and scrub the floor edges, corners and baseboards to remove current finish.
9. Use the floor machine with a stripping pad (black or emerald green) and scrub the floor. Move the floor machine across the floor in overlapping strokes, carrying the stripper solution along. Be sure to scrub first in one direction and then in the opposite direction. Pass two should be perpendicular to pass one to ensure the entire floor has been covered.

Pick-up and rinse

10. Pick-up the stripping solution slurry with a wet vac.
11. Immediately after pick-up of the stripper slurry, rinse the floor with clean, cold water using either an auto scrubber or cotton mop. Pick-up the rinse water with a wet vac or auto scrubber.
12. Rinse the floor a second time with the clean water. Pick-up the solution.
13. The floor may need additional rinses to ensure that the stripping solution has been completely removed from the floor. A final rinse with properly diluted Tenacity will neutralize the floor allowing for better adhesion of the finish.
14. Allow to the floor to completely dry.
15. After the floor has air-dried, run your hand across to check for stripper residue, old finish, which appears in shiny patches, or alkaline residue which appears as a fine, white powder. If powder or stripper residue is found, rinse again with clean water. If old finish remains, follow the stripping procedures for the effected area, rinse and test.
16. When floor is free of residue and old finish, the floor is ready to accept the new finish.

Floor Finish Application Procedures

HCSB uses Buckeye Liquimax as the floor finish for all schools.

Liquimax should be applied in thin coats and each coat should be allowed to completely dry before another coat is applied. All areas are to have a minimum of **FIVE** coats but a preferred **SEVEN** coats of finish applied. A maximum of four coats can be applied in a twenty-four hour period, the remaining coats can be applied the following day. This ensures maximum curing of the first four coats.

As with any mop applied finish, make sure to soak your new rayon mops (never use cotton) in a clean bucket full of clean water. This removes any lint that could interfere with laying the finish. Wring out the mop and empty the bucket.

1. Only after top scrubbing or stripping and the floor is completely dry can floor finish be applied.
2. Using a mop bucket with a plastic trash can liner and wringer. Pour the finish in the lined bucket. Place a clean rayon mop into the finish and completely saturate. Withdraw the mop from the finish and place it in the wringer **DO NOT WRING THE MOP WITH THE WRINGER HANDLE**. Press the mop by hand in the wringer. Proper finish amount in mop is seen when the finish lightly drips from the mop. (No drips = not enough finish, steady stream = too much finish)
3. On the first coat, place the mop on the floor next to the baseboard. Apply floor finish wall to wall. Outline the area you are finishing and fill in that area using the figure “8” technique.
4. Wipe all baseboards, cabinets, etc. splashed with finish.
5. Allow the first coat to dry, usually about 40 minutes before applying the next coats. Test for dryness between coats by feeling the finish with the back of your hand. (if it feels tacky---WAIT)
6. Once the first coat has dried, apply coat 2. Follow procedures 2-5 however, maintain a 6 inch interval between the baseboards and mop.
7. Allow coat two to dry and be sure to test for dryness.
8. Apply coat 3 the same as coat 2 – maintaining the six inch interval from the baseboards.
9. Allow coat three to completely dry.
10. Apply coat 4 the same as coats 2 and three. Allow to dry.
11. The following day apply coats 5-6 as you did coat 4.
12. Apply coat seven from **wall to wall** as coat one was applied.
13. A maximum of four coats should be applied in a 24 hr. period. The fifth through seventh coats should be applied after 24 hours.
14. Wait 24 to 72 hours once coat five is completely dry before burnishing and/or before furniture or equipment is placed into the area. Never use a brand new hog’s hair or grizzly hair burnishing pad on freshly applied floor finish. Use a champagne or slightly used hog’s hair pad.