

SPECIFICATION GUIDE FOR

COMMERCIAL VINYL COMPOSITION FLOOR TILE

1. EXAMINATION

- 1.1 Surface to which resilient flooring is to be applied shall be fully cured, cleaned and filled in accordance with the manufacturer's requirements, in a state satisfactory to ensure proper bonding of adhesives.
- 1.2 Do not apply flooring until surfaces, which are to receive it, and site conditions are satisfactory.
- 1.3 Concrete slab shall be cured at least 28 days before commencing resilient flooring installation.
- 1.4 Temperature of floor surfaces shall be minimum 20°C (68°F) twenty-four hours before and seven days after the resilient flooring installation. Avoid high humidity and cold drafts.
- 1.5 Test concrete slabs for excessive moisture by performing Calcium Chloride Tests. Follow the flooring manufacturer's acceptable moisture emission guidelines for the flooring specified.
- 1.6 Subfloor surfaces shall not vary more than 1/8" in any ten-foot dimension. Neither shall they vary at a rate greater than 1/16" per linear foot.

2. SHOP DRAWINGS

- 2.1 Submit shop drawings in accordance with article of the General Conditions of the Contract.
- 2.2 Shop drawings are required for(describe the part of work for which shop drawings are required).

3. SAMPLES

- 3.1 Provide 1/8" (3.2 mm) nominal gauge, 12" x 12" (305mm x 305mm) Flextile Flex Thru, Flex Classic, Flex Slate, Flex Crystal, Flex Quartz, Flex Travertine, Safety Flex, Flex Decor and Accent Strips in (color number and name) meeting ASTM F1066, (Class 1 - solid color) (class 2 - through pattern). Colors will be selected from the range currently available from Flextile.
- 3.2 Identity samples with the name of the Contractor, name of project, and areas where the material will be used.
- 3.3 Samples shall be the basis for the acceptance or rejection of the material. Install materials shall match the samples, subject to normal manufacturing tolerances in color and marbleizing.

4. DELIVERY AND STORAGE

- 4.1 Store resilient flooring materials in original containers with

manufacturer's seals and labels intact, in dry areas of the building. The Contractor shall provide a suitable storage area, which can be locked.

- 4.2 Maintain the temperature of rooms where materials are stored at 20°C (68°F) for 48 hours before installation.
- 4.3 Stack material not more than four feet high, nor in excess of allowable floor loading.
- 4.4 Ensure that materials are delivered to the job site at least 48 hours before installation is to proceed.

5. PROTECTION

- 5.1 Protect the finished resilient flooring from damage until the building is accepted by the Owner.
- 5.2 Theareas shall be covered with (type and extent of kraft paper required to protect the floor from traffic) after completion of installation of the resilient flooring.
- 5.3 Maintain this protective cover until the final cleaning of the building shortly before the building is to be accepted by the Owner.

6. CLEANING AND WAXING

- 6.1 Remove adhesive from resilient flooring as the work progress.
- 6.2 Clean the surface of resilient flooring and bases approximately 48 hours after completion of the work.
- 6.3 Upon completion of the building and when directed by the Architect, apply second coat of wax and polish thoroughly.

7. MAINTENANCE INSTRUCTIONS

- 7.1 Furnish the Owner withcopies of Flextile Maintenance Guide.
- 7.2 Arrange with Owner to replace small furniture glides with large glides or cups.

8. EXTRA MATERIAL

- 8.1 Furnish the Owner with one (or as agreed) unbroken carton of each color or pattern of resilient floor tiles for possible future repair work.

9. WORKMANSHIP

- 9.1 Install all materials in strict accordance with the manufacturer's recommendations in a workman like manner and using mechanics skilled in this trade.
- 9.2 Work shall be adequately supervised by a competent foreman.

10. PREPARATION

- 10.1 GENERAL
- 10.1.1 Do not commence work until all trades, except painters, have completed their work and just prior to completion of the building.
- 10.1.2 Fill cavities, cracks, and joints with Flextile Flextile-Patch. Clean floor with an industrial vacuum cleaner. Remove any substance deleterious to adhesive bond.
- 10.1.3 Close spaces in which resilient flooring is to be installed to traffic and to other work until the floor is firmly set.
- 10.1.4 Provide spark-proof fans when solvent based adhesives are used and when natural ventilation is inadequate. Prohibit smoking.
- 10.2 WOOD SUBFLOOR
- 10.2.1 Lay plywood lengthwise across the subfloor. Use full size (4' x 8') sheets to minimize the joints. Stagger end joints from adjoining course and butt sheets to a moderate contact. Neatly cut and fit around fixed constructions. Nail plywood to subfloor with 1 1/4" ringed or spiral nails at 4" o.c. around the perimeter at 1/2" from the edge and at 8" o.c. both ways in alternate staggered rows over each sheet.

11. TILE APPLICATION

- 11.1 Prime concrete floor slabs using Flextile 43 latex additive. Work primer vigorously into surface and allow to dry thoroughly before applying adhesive.
- 11.2 Apply (Flextech 310 Clearset Tile Adhesive.) (Flextech 710 Flooring Adhesive) (Flextile 38 Fast-Set Floor Adhesive) or High Moisture Tolerance (Flextech 720 Urethane Base Flooring Adhesive) uniformly in accordance to Flextile's instruction.
- 11.3 Install resilient flooring within the time limits recommended by Flextile. If adhesive film dries over, it shall be removed and the affected areas shall be re-coated.
- 11.4 The room must be accurately measured to square off the area and to determine the centre point of the area. It is critical that the intersection of the chalk lines be square at 90°. Begin laying the tile at the intersection of the working lines. Be certain this tile is installed squarely on the lines. After the first tile is in place, begin laying tiles outward along both guide lines. Press tiles firmly against adjoining tiles and press into adhesive. Adjust tile layout as required to avoid use of units less than ½ tiles. Begin stair-stepping the tiles into the field area. Install tile to square grid pattern with all joints aligned and with pattern grain alternating with adjacent unit to produce basket weave pattern. Maintain the squareness of the installation by keeping tiles along guide lines. Allow minimum ½ full size tile width at room or area perimeter.
- 11.5 Cut tile and fit neatly around fixed or excessively heavy objects.
- 11.6 Roll tile as each section of the floor is completed and again when the installation is complete, with a polished clean roller weighing at least 100 lbs., to ensure uniform adhesion.

12. BASE APPLICATION

- 12.1 TOP SET COVE BASE
- 12.1.1 Install cove base in accordance with manufacturer's recommendations. Set base in adhesive tightly against wall and floor surfaces. Space joints uniformly.
- 12.1.2 Accurately scribe around doorframes, fittings and other obstructions.
- 12.1.3 Install base at all columns, wall and built-in fittings, in rooms where base is indicated.
- 12.1.4 Form internal and external corners and end stops from preformed units.

13. MATERIALS

- 13.1 Vinyl Composition Tile shall be (.080") (1/8") thick, 12"x12" size, Flextile Flex Thru, Flex Classic, Flex Slate, Flex Crystal, Flex Granite, Safety Flex, Flex Decor Patterns in colors as selected by the Architect (or as indicated on the color schedule). Tiles shall be asbestos free vinyl composition tile meeting ASTM F1066, (Class 1 - solid color) (class 2-through pattern) and having a static load limit of 150 psi.
- 13.2 Adhesive for Vinyl Composition Tile shall be (Flextech 310 Clearset Tile Adhesive.) (Flextech 710 Flooring Adhesive) (Flextile 38 Fast-Set Floor Adhesive) or High Moisture Tolerance (Flextech 720 Urethane Base Flooring Adhesive) manufactured by Flextile Ltd.
- 13.3 Primer for concrete floor slabs shall be Flextile 43 latex additive.
- 13.4 Rubber base shall be (.....) inches high (.....) Color cove base with pre-formed external and internal corners where required.
- 13.5 Vinyl base shall be (.....) inches high (.....) Color cove base with pre-formed external and internal corners where required.
- 13.6 Adhesives for cove base shall be Flextile 1251-V Cove Base Adhesive.
- 13.7 Feature strips for (.....) shall be vinyl composition stock (1/2") (1") (1 1/2") (2") wide of the same thickness as Vinyl Composition Tile, manufactured by Flextile Ltd.
- 13.8 Plywood for subfloor shall be 3 ply, exterior grade, Douglas Fir plywood (good on one side), minimum 3/8" thick.
- 13.9 Floor cleaner shall be (.....)
- 13.10 Wax shall be (.....)

NOTE TO THE SPECIFICATION WRITER

These brief guide specifications can be edited in accordance with project requirements. Portions of text can be combined, deleted, added or modified as required. Specifiers should understand that they are responsible for the accuracy of all the project specifications that are used.

Flextile Ltd. shall not be liable for any damages arising out of use of any of its guide specifications.

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