

SECTION 09650 - RESILIENT FLOORING

PART I - GENERAL

1.01 DESCRIPTION

- A. Extent of resilient flooring is shown on drawings and schedules.

1.02 QUALITY ASSURANCE

- A. Provide resilient flooring complying with the following fire performance criteria.
 - 1. Smoke Density: Less than 450 per ASTM E 662.
 - 2. Critical Radiant Flux (CRF): Not less than 0.45 watts/sq. cm. per ASTM E 648 - Class I.
- B. Moisture vapor emission from the substrate shall not exceed 3 lbs. per 1,000 sq. ft. per 24 hour period for solid vinyl, rubber flooring and vinyl sheet flooring; or 5 lbs. Per 1,000 sq ft. per 24 hour period for vinyl composition tile. Testing shall be performed in conformance with ASTM F 1869.
- C. Relative Humidity within the substrate, measured by in-situ probes at not less than 40% of the slab depth, shall not exceed 90% for floors to receive vinyl composition tile and shall not exceed 80% for floors to receive solid vinyl or vinyl sheet flooring. Testing shall be performed in conformance with ASTM F 2170.
- D. Calcium Chloride test (ASTM F 1869) and relative Humidity test (ASTM F 2170) may be used alone or concurrently. If both tests are conducted concurrently, both must satisfy the specification requirements.
- E. Alkalinity of the substrate shall not exceed 9 on the ph scale. Test the ph of any area where concrete has been ground to ensure that alkalinity does not exceed requirements.
- F. Install resilient flooring in conformance with flooring manufacturer's instructions.
- G. Comply with ASTM F-710 "Standard Practice for Preparing Concrete to Receive Resilient Flooring".

1.03 DELIVERY STORAGE & HANDLING

- A. Protect and store finished flooring products for not less than 72 hours in the ambient conditions in which they will be installed and maintained during permanent use.

PART II - PRODUCTS

2.01 TILE FLOORING

- A. Walgreens has established National Accounts with Armstrong for selected resilient flooring. Manufacturer will be assigned a specific geographic region. Contact Walgreens project Architect for the regions of each manufacturer.
 - 1. Resilient Flooring Contacts:
 - a. Armstrong: Request Walgreens National Account pricing from local Armstrong wholesale distributor or contact Armstrong Strategic Accounts @ 800-442-4212.
- B. Vinyl Composition Tile: ASTM F 1066 (Latest Edition), size 12" x 12" x 1/8".
 - 1. Color #1:

- a. Armstrong Standard Excelon, Imperial Texture #51911, Color: “Classic White”.
- 2. Color #2: (Hallmark Field Color):
 - a. Armstrong Standard Exelon, Imperial Texture, color; #57501 “Nougat”.
- 3. Color #3: (Photo Area):
 - a. Armstrong Standard Excelon, Imperial Texture, Color: #51803 “Pearl White”.
 - b. Azrock by Tarket, Standard Grade, Cortina Colors; #V-957 “Fieldstone”.
- C. Solid Vinyl Flooring: ASTM 1700, Class 3, Type B-Embossed Surface
 - 1. Armstrong “Natural Options, Wood Collections” planks, Color: #T1024-691-medium, “Wood Oak.”, Size: 6” x 36” x 1/8”.
- D. Slip Resistant Flooring: (at ramps and as required by codes) ASTM F-1066 latest edition, 12” x 12” x 1/8”.
 - 1. Armstrong Safety Zone Excelon, Color: Weathered Alabaster #57002.
- E. Vinyl Sheet Flooring: Armstrong Type II, Grade A, ASTM F 1303-02, “Possibilities Inlaid Sheet”, pattern: Petit Point, gauge .080”, Color: #88067 “Painted Desert” (used only when required by local Health Department in select rooms).
- F. Protective Coat: “Revive Plus SC” Neutral Cleaner and “Vectra” Floor Finish by Johnson Wax Products.

2.02 ACCESSORIES

- A. Wall Base: Provide Armstrong base #V6160018 complying with ASTM F 1861, Style B.
 - 1. Style: Top set cove.
 - 2. Height: 6”.
 - 3. Thickness: 1/8”.
 - 4. Color: Black, matte finish.
- B. Resilient Edge Stripes: 1/8” thick, 1” wide, homogenous vinyl, tapered or bullnose edge, color to match flooring.
- C. Adhesives: Water-resistant stabilized type as recommended by flooring manufacturer or as indicated below.
 - 1. VCT: Armstrong adhesive #S-515, Tarkett adhesive #T-100-4, (clear thin set).
 - 2. Solid Vinyl Flooring – “Wood Collections” planks: Armstrong Adhesive #S-288. Tarkett “Stripwood”: Tarkett T-850 Acrylic Pressure Sensitive Adhesive. Note; in areas exposed to direct sunlight or occasional topical moisture and/or temperature extreme use Tarkett T-940 Polyurethane Adhesive (two part) solvent free.

3. Vinyl Sheet Flooring: Armstrong #S-599 full spread, #S-580 at cove base. Heat weld seams or seal with #S-761 seam adhesive.
 4. High Moisture: Use Armstrong Adhesive #S-240 in areas that are consistently wet.
 5. Scribing Felt: Armstrong adhesive #S-235.
- D. Leveling and Patching Compounds: Armstrong #S-183 Fast-Setting Cement-Based Underlayment, Armstrong #S-184 Fast Setting Cement-Based Patch Coat or portland cement based latex types as recommended by flooring manufacturer.
- E. Scribing Felts: Gray cellulosic synthetic fiber felt, Armstrong #S-153.

PART III - EXECUTION

3.01 GENERAL

- A. Inspect to ensure satisfactory substrate surfaces. Satisfactory means smooth and free from cracks, holes, ridges, coatings preventing adhesive bond, detrimental moisture vapor emissions and other defects impairing performance or appearance.

3.02 INSTALLATION

- A. Scribe, cut and fit resilient flooring to permanent fixtures, built-in furniture, pipes, outlets, columns and walls.
- B. Tightly cement flooring to subbase without open cracks, voids, raising or puckering at joints or telegraphing.
- C. Avoid use of cut widths less than 1/2 tile at perimeters. Lay tile square to room axis.
- D. Lay tile in checkerboard pattern with grain reversed in adjacent tiles.
- E. Provide flash cove base (turned up vinyl sheet) if required by local Health Dept. at select areas of the store.
- F. Solid Vinyl Flooring – “Wood collections” planks: Stagger end joints a minimum of 6” apart. Do not install over expansion joints. Roll with 100-lb roller; install tile in same direction.
- G. VCT Protective Coat: General Contractor shall use floor cleaning company approved recommended by Johnson Diversey. Contact Johnson Diversey at 800-558-2332 and ask for the Walgreen’s New Store Coordinator to obtain an approved Building Service Coordinator. The cleaning contractor is responsible for providing equipment, cleaning chemicals, and labor to complete requested service. He will also agree to carry Workmen’s Compensation, public liability and property damage insurance in form and amount acceptable to The Walgreen Company.

Following tile installation (preferably within 24 to 48 hours) the floor should be swept, damp mopped with *Revive Plus SC* and allowed to thoroughly dry. Apply 4 medium coats of *Vectra* Floor Finish allowing sufficient dry time between coats (approximately 30-45 minutes between coats). Do not apply stripper or autoscrub the tile “mill” finish.

Johnson Diversey’s New Store Coordinator will secure cleaning bid from approved floor cleaning company and Federal Express bid to General Contractor to sign contract.

3.03 ACCESSORY INSTALLATION

- A. Scribing Felts: When installing thinner gauge material next to thicker materials, install thicker material first.
 - 1. Butt 12-inch wide piece of Scribing Felt against thicker material and adhere with specified adhesive.
 - 2. Use leveling or patching compound to featheredge of scribing felt to level of substrate.
 - 3. Allow patch to dry completely before installing flooring.
- B. Apply base in longest possible lengths. Miter or cope inside corners, make non penetrating "v-cut" on backside to form outside comers.
- C. Place edge strips tightly butted to flooring at locations where tile edges would otherwise be exposed.
- D. Install 6-inch vinyl base around all checkout stands in General Sales floor, Cosmetics and 1 -HR Photo.

3.04 CLEANING AND PROTECTION

- A. Remove excess adhesive and other surface blemishes.
- B. Protect flooring from construction damage as recommended by flooring manufacturer.

3.05 ATTIC STOCK

- A. Provide one box (45-tile minimum) of each type of tile flooring.

END OF SECTION