

## **SECTION 09650 - RESILIENT FLOORING**

### **PART 1 GENERAL**

#### **1.01 WORK INCLUDED**

Provide, prep and installation of the following:

- A. Preparation of substrate surfaces.
- B. Rubber bases at all areas which are effected by new work.
- C. Application of vinyl tile with up to three (3) colors at any location with pattern as provided by Architect.
- D. Application of rubber stair treads from first floor to Attic, where designated by architect.
- E. Cleaning of all surfaces and areas of work.

#### **1.02 RELATED WORK**

- A. Section 03346 - Concrete Floor Finishing: Finish trowelling of floor slab.

#### **1.03 REFERENCES**

- A. FS SS-T-312 - Tile, Floor: Asphalt, Rubber, Vinyl, Vinyl- Asbestos.
- B. FS L-F-450 - Flooring, Vinyl Plastic.
- C. FS SS-W-40 - Wall Base: Rubber and Vinyl Plastic.

#### **1.04 SUBMITTALS**

- A. Submit shop drawings and product data under provisions of Section 01300.
- B. Describe floor pattern, scaled design, color of various materials, and location of floor accessories.
- C. Submit samples under provisions of Section 01300. ]

- D. Include duplicate 12 x 12 inch sized samples of each flooring material, color, and pattern selected.
- E. Include duplicate 12 x 12 inch long samples of base and stair tread selected.

#### 1.05 ENVIRONMENTAL REQUIREMENTS

- A. Maintain minimum 70 degrees F (21 degrees C) air temperature at flooring installation area for three days prior to, during, and for 24 hours after installation.
- B. Store flooring materials in area of application. Allow three days for material to reach equal temperature as area.

#### 1.06 EXTRA STOCK

- A. Deliver 25 sq ft of each color and pattern of floor tile material required for project, for maintenance use.
- B. Clearly identify each box or roll.

### PART 2 PRODUCTS

#### 2.01 ACCEPTABLE MANUFACTURERS

- A. Armstrong or equal.

#### 2.02 FLOOR COVERING MATERIALS

- A. Vinyl Tile: 12 x 12 inch size x 1/8 inch thick, marbled pattern; color; to match existing.

#### 2.03 BASE MATERIALS

- A. Base: Conforming to FS SS-W-40, Type I rubber; top set coved, 4 inch high, 1/8 inch thick including premolded end stops and external corners, color as selected.

#### 2.04 ACCESSORIES/ADHESIVES/SEALERS

- A. Edge Strips: rubber type; factory finish; color selected by Architect/Engineer.
- B. Sub-Floor Filler: White premix latex, mix with water to produce cementitious paste.
- C. Primers and Adhesives: Waterproof; of types recommended by resilient flooring manufacturer for specific material.
- D. Sealer and Wax: Type recommended by resilient flooring material manufacturer for material type and location.

### PART 3 EXECUTION

#### 3.01 INSPECTION

- A. Ensure floor surfaces are smooth and flat with maximum variation of 1/8 inch in 10 feet (1 1/960).
- B. Ensure concrete floors are dry (maximum 7 percent moisture content) and exhibit negative alkalinity, carbonization, or dusting.

#### 3.02 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes and other defects with sub-floor filler.
- B. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface. Prohibit traffic until filler is cured.

#### 3.03 INSTALLATION - FLOORING

- A. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.
- B. Clean substrate. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation. Spread only enough adhesive to permit installation of flooring before initial set.
- C. Set flooring in place; press with heavy roller to ensure full adhesion.
- D. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.

- E. Install with minimum tile width 1/2 full size at room or area perimeter, to square grid pattern with all joints aligned with pattern grain parallel for all units and parallel to width of room.
- F. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.
- G. Install edge strips at unprotected or exposed edges where flooring terminates.
- H. Scribe flooring to walls, columns, cabinets, floor outlets and other appurtenances to produce tight joints.
- I. Install flooring in pan type floor access covers. Maintain floor pattern.
- J. Continue flooring through areas to receive moveable type partitions without interrupting floor pattern.
- K. Install feature strips and floor markings where indicated. Fit joints tightly.

#### 3.04 INSTALLATION - BASE

- A. Fit joints tight and vertical. Maintain minimum measurement of 18 inches (457 mm) between joints.
- B. Miter internal corners. Use premolded sections for external corners and exposed ends.
- C. Install base on solid backing. Adhere tightly to wall and floor surfaces.
- D. Scribe and fit to door frames and other obstructions.
- E. Install straight and level to variation of plus or minus 1/8 inch over 10 feet (1/960).

#### 3.06 PROTECTION

- A. Prohibit traffic from floor finish for 48 hours after installation.

#### 3.07 CLEANING

PROPOSED FIREHOUSE PROJECTS  
TAPPAN FIRE DISTRICT  
TAPPAN, NY

RESILITENT FLOORING  
DIVISION 9 – FINISHES  
SECTION 09650

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions.

END OF SECTION