

**SECTION 09650
RESILIENT FLOORING**

PART 1 GENERAL

1.1 SUMMARY

- A. Furnish all labor, material, equipment, and services required to install resilient floor covering and base. Prepare floors to receive new material.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM).

1.3 SUBMITTALS

- A. Submit the following in accordance with Division 1 Section "Submittal Procedures."
- B. Sample of each color and pattern of resilient flooring and welding rods. Do not start work until samples of material have been approved.

1.4 QUALITY ASSURANCE

- A. Conform to resilient flooring manufacturer's installation instructions.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver finish materials to job site only when satisfactory conditions for storage can be provided. Maintain in manufacturer's unbroken packages with original labels thereon.

1.6 PROJECT CONDITIONS

- A. Do not begin installation until the work of all other trades including painting has been completed and the temperature of the rooms maintained at 70°F at least 48 hours before work proceeds.
- B. The Owner will employ the services of an Independent Testing Laboratory (ITL) for testing the moisture content of concrete slabs. Cooperate with the Testing Laboratory by providing the required environmental conditions for moisture testing.

1.7 WARRANTY

- A. Provide manufacturer's standard warranty for each resilient flooring type.

1.8 MAINTENANCE

- A. Extra Materials: Furnish to Owner two boxes of same run of each pattern and color of tile. Save usable pieces of sheet floor covering and package in paper wrapped rolls, labeled on wrapping, securely tied.

PART 2 PRODUCTS

2.2 MANUFACTURERS

- A. Product manufacturers are listed below.
- B. Other Manufacturers: Submit Substitution Requests prior to bid date in accordance with Division 1 Section "Product Requirements."

2.3 MATERIALS

- A. RF-1, Linoleum:
 - 1. Size: 72 inches wide, 0.10 inch thick.
 - 2. Backing: Jute.
 - 3. Fire Resistance:
 - a. Smoke Density: ASTM E662/NFPA 258, 450 or less.
 - b. Critical Radiant Flux: ASTM E648/NFPA 253, Class 1.
 - 4. Seaming: Heat Welded.
 - 5. Welding Rods: Color matching as approved by Architect.
 - 6. Base: Self-coved to extend up wall as wainscot.
 - 7. Manufacturer/Pattern: Armstrong "LinoArt Linorette Sheet" linoleum.
 - 8. Color: TBD
- B. W-1, Wainscot: Armstrong "LinoArt Linoleum" sheet.
 - 1. Description: Heterogeneous linoleum sheet made primarily of natural materials consisting of linseed oil, wood flour, and rosin binders, mixed and calendared onto natural jute backing. Pattern and color shall extend throughout total thickness of material.
 - 2. Width: 6-feet.
 - 3. Height: 48" above finish floor, all interior walls of toilet rooms.
 - 4. Gauge: 0.10 inch thick.
 - 5. Fire Resistance:
 - a. Smoke Density: ASTM E662/NFPA 258, 450 or less.
 - b. Critical Radiant Flux: ASTM E648/NFPA 253, Class 1.
 - 6. Seaming: Heat Welded.

7. Welding Rods: Color matching as approved by Architect.
 8. Pattern and Color: TBD
- C. Adhesives:
9. Flooring: Refer to product manufacturer's recommendations for appropriate low VOC adhesive. Use only adhesives approved by resilient flooring manufacturer.
 10. Wainscot: Low VOC as recommended by linoleum sheet manufacturer for laminating over gypsum board substrate.
- D. Wainscot W-1 Trim at all exposed edges: Panolam Surface Finishes Standard End Cap Model XCF-000, Anodized finish, in standard 10' lengths

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with installer present, for compliance with requirements for installation tolerances, moisture content, and other conditions affecting performance.
11. Verify that finishes of substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
 12. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written recommendations to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710 except for:
1. Moisture testing paid for by the Owner:
 2. Removal of curing compounds and hardeners used to reduce moisture emission;
 3. Repair of concrete floors.

3.3 INSTALLATION

- A. Linoleum: Install using manufacturer's written installation system with 6-inch integral cove base.
- B. Applicators shall be experienced in this type of installation. Pre-plan installation for least seams. All seams heat welded.

3.4 CLEANING AND SEALING

- A. When floors have sufficiently seated themselves to permit cleaning and other trades have completed their work, sweep and damp mop the floors. Do not wash or machine scrub the floor for at least 5 days after installation.

- B. Demonstration: Provide instruction for Owner's maintenance personnel on proper procedures of maintaining resilient flooring.

END OF SECTION