

**SECTION 09 65 13  
RESILIENT BASE AND ACCESSORIES**

SPEC WRITER NOTE: Delete text between // // not applicable to project. Edit remaining text to suit project.

**PART 1 - GENERAL**

**1.1 SUMMARY**

A. Section Includes:

- 1. Resilient base (RB) adhered to interior walls and partitions.
- 2. Resilient stair treads (RST) adhered to interior stair treads.
- 3. Sheet rubber flooring (SRF) adhered to interior stair landings.

**1.2 RELATED REQUIREMENTS**

- A. Sheet Flooring Integral Base: Section 09 65 16, RESILIENT SHEET FLOORING.
- B. Rubber Tile Flooring at Landings: Section 09 65 19, RESILIENT TILE FLOORING.

SPEC WRITER NOTE: Update and retain references only when specified elsewhere in this section.

**1.3 APPLICABLE PUBLICATIONS**

- A. Comply with references to extent specified in this section.
- B. ASTM International (ASTM):
  - F1344-15.....Rubber Floor Tile.
  - F1859-14e1.....Rubber Sheet Floor Covering without Backing.
  - F1860-14e1.....Rubber Sheet Floor Covering with Backing.
  - F1861-16.....Resilient Wall Base.
  - D4259-18.....Preparation of Concrete by Abrasion Prior to Coating Application.
- C. Federal Specifications (Fed. Spec.):
  - RR-T-650E (1994).....Treads, Metallic and Non-Metallic, Skid-Resistant.
- D. International Concrete Repair Institute (ICRI):
  - 310.2R-2013.....Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair.

**1.4 SUBMITTALS**

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
  - 1. Description of each product.

2. Adhesives and primers indicating manufacturer's recommendation for each application.

3. Installation instructions.

C. Samples:

1. Resilient Base: 150 mm (6 inches) long, each type and color.

2. Resilient Stair Treads: 150 mm (6 inches) long, each type and color.

3. Sheet Rubber Flooring: 300 mm (12 inches) square, each type and color.

D. Sustainable Construction Submittals:

SPEC WRITER NOTE: Retain sustainable design submittals appropriate to product.

1. Recycled Content: Identify post-consumer and pre-consumer recycled content percentage by weight.

2. Low Pollutant-Emitting Materials:

a. Stair Treads and Sheet Rubber Flooring: Submit Floor Score label.

b. Show volatile organic compound types and quantities.

E. Operation and Maintenance Data:

1. Care instructions for each exposed finish product.

**1.5 DELIVERY**

A. Deliver products in manufacturer's original sealed packaging.

B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, color, production run number, and manufacture date.

C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

**1.6 STORAGE AND HANDLING**

A. Store products indoors in dry, weathertight facility.

B. Protect products from damage when handling and during construction operations.

**1.7 FIELD CONDITIONS**

A. Environment:

1. Product Temperature: Minimum 21 degrees C (70 degrees F) for minimum 48 hours before installation.

2. Work Area Ambient Temperature Range: 21 to 27 degrees C (70 to 80 degrees F) continuously, beginning 48 hours before installation.

3. Install products when building is permanently enclosed and when wet construction is completed, dried, and cured.

**1.8 WARRANTY**

SPEC WRITER NOTE: Always retain construction warranty. FAR includes Contractor's one year labor and material warranty.

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

**PART 2 - PRODUCTS**

**2.1 PRODUCTS**

- A. Basis of Design: Section 09 06 00, SCHEDULE FOR FINISHES.
- B. Provide each product from one manufacturer and from one production run.
- C. Provide resilient stair treads and sheet rubber flooring from same manufacturer.

SPEC WRITER NOTE: Detailed product requirements are specified in Section 01 18 13.

- D. Sustainable Construction Requirements:

SPEC WRITER NOTE: Specify products containing greatest recycled content practicable to maximize material recovery. See EPA Comprehensive Procurement Guidelines (CPG) for guidance about individual products and available recycled content. Section 01 81 13 sets overall project recycled content requirements.

- 1. Sheet Rubber Flooring Recycled Content: 90 percent total recycled content, minimum.

SPEC WRITER NOTES:

- 1. Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS includes comprehensive product list setting VOC limits for low-emitting materials.
- 2. Retain subparagraphs applicable to products specified in this section.

- 2. Low Pollutant-Emitting Materials: Comply with VOC limits specified in Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS for the following products:

- a. Flooring Adhesives and Sealants.

**2.2 RESILIENT BASE**

- A. Resilient Base: 3 mm (1/8 inch) thick, 100 mm (4 inches) high.

SPEC WRITER NOTE:

- 1. Allow rubber or vinyl base as option.

2. When vinyl products are specified, seek products with recycled content where possible.

1. Type: Rubber or vinyl; use one type throughout.
2. ASTM F1861, Type TP thermoplastic rubber or Type TV thermoplastic vinyl, Group 2 - layered.

B. Applications:

1. Carpet Flooring Locations: Style A - Straight.
2. Other Locations: Style B - Cove.

**2.3 RESILIENT STAIR TREADS**

SPEC WRITER NOTE: Resilient stair treads are suitable for new and existing interior concrete, terrazzo, concrete-filled steel pan, and wood stairs.

- A. Resilient Stair Treads: Rubber, skid-resistant abrasive strip nosing, 5 mm (3/16 inch) thick nosing wear surface tapered to 3 mm (1/8 inch) thick at riser.

1. Fed. Spec. RR-T-650, Composition A, Type 2.

SPEC WRITER NOTE:

1. Two 19 - 25 mm (3/4 - 1 inch) wide abrasive strips are standard. For visually impaired, one 51 - 76 mm (2 - 3 inch) wide abrasive strip is required by reference standard Fed. Spec. RR-T-650. Identify where access by visually impaired is required.
2. Black is standard color. Other colors must be specified.

2. Abrasive Strips: Design for access by visually impaired.

SPEC WRITER NOTE: Flexible nosing permits compliance with ADA.

3. Nosing: Flexible, accommodating angle between tread and riser; shape suiting sub-tread.
4. Size: Single piece full stair tread width and depth.

**2.4 SHEET RUBBER FLOORING**

SPEC WRITER NOTE:

1. Delete sheet rubber flooring when rubber tile, specified in Section 09 65 19, RESILIENT TILE FLOORING, is used for landings.
2. Coordinate with Section 09 06 00, SCHEDULE FOR FINISHES to indicate required landing product.

- A. Sheet Rubber Flooring (SRF): ASTM F1859 or ASTM F1860; Rubber, 900 mm (36 inches) wide, 3 mm (1/8 inch) thick, smooth face; color and pattern matching resilient stair treads.

**2.5 PRIMER (FOR CONCRETE FLOORS)**

- A. Primer: Type recommended by adhesive manufacturer.

**2.6 LEVELING COMPOUND (FOR CONCRETE FLOORS)**

- A. Leveling Compound: Provide products mixed with latex or polyvinyl acetate resins.

**2.7 ADHESIVES**

- A. Adhesives: Low pollutant-emitting, water based type recommended by adhered product manufacturer for each application.

**PART 3 - EXECUTION**

**3.1 PREPARATION**

- A. Examine and verify substrate suitability for product installation.
- B. Protect existing construction and completed work from damage.

SPEC WRITER NOTE: Include below for renovation projects.

- C. Remove existing // base // stair treads // landing flooring // to permit new installation.
  - 1. Dispose of removed materials.
- D. Correct substrate deficiencies.
  - 1. Fill cracks, pits, and depressions with leveling compound.
  - 2. Remove protrusions; grind high spots.
  - 3. Apply leveling compound to achieve 3 mm (1/8 inch) in 3 m (10 feet) maximum surface variation.
- E. Clean substrates. Remove contaminants capable of affecting subsequently installed product's performance.
  - 1. Mechanically clean concrete floor substrate according to ASTM D4259.
  - 2. Surface Profile: ICRI Guideline No. 310.2R.
- F. Allow substrate to dry and cure.
- G. Perform flooring manufacturer's recommended bond, substrate moisture content, and pH tests.

**3.2 INSTALLATION GENERAL**

- A. Install products according to manufacturer's instructions.
  - 1. When instructions deviate from specifications, submit proposed resolution for Contracting Officer consideration.

**3.3 RESILIENT BASE INSTALLATION**

- A. Applications:

1. Install resilient base in rooms scheduled on Drawings.
  2. Install resilient base on // casework // and // locker toe spaces //, and other curb supported fixed equipment.
  3. Extend resilient base into closets, alcoves, and cabinet knee spaces, and around columns within scheduled room.
- B. Lay out resilient base with minimum number of joints.
1. Length: 600 mm (24 inches) minimum, each piece.
  2. Locate joints 150 mm (6 inches) minimum from corners and intersection of adjacent materials.
- C. Installation:
1. Apply adhesive uniformly for full contact between resilient base and substrate.
  2. Set resilient base with hairline butted joints aligned along top edge.
- D. // Field // Factory // form corners and end stops.
1. V-groove back of outside corner.
  2. V-groove face of inside corner and notch cove for miter joint.
- E. Roll resilient base ensuring complete adhesion.

#### **3.4 RESILIENT STAIR TREAD INSTALLATION**

- A. Install resilient stair treads without joints on each stair tread substrate.
1. Install full width resilient stair treads on each intermediate and floor landing.
- B. Apply adhesive uniformly for full contact between resilient stair tread and substrate.
1. Roll resilient stair treads ensuring complete adhesion.

SPEC WRITER NOTE: Delete sheet rubber flooring when rubber tile, specified in Section 09 65 19, RESILIENT TILE FLOORING is used for landings.

#### **3.5 SHEET RUBBER FLOORING INSTALLATION**

- A. Applications:
1. Install sheet rubber flooring on intermediate and floor landings where resilient stair treads are installed.
- B. Lay out sheet rubber flooring symmetrically, with minimum number of joints.
1. Locate floor landing joints centered under doors.
- C. Installation:

1. Apply adhesive uniformly for full contact between sheet rubber flooring and substrate.
2. Install sheet rubber flooring with 1 mm (0.04 inch) maximum width seams, perimeter joints, and joints with adjacent flooring.
  - a. Scribe sheet rubber flooring tight to interrupting surfaces.
3. Roll sheet rubber flooring ensuring complete adhesion.

**3.6 CLEANING**

- A. Remove excess adhesive before adhesive sets.
- B. Clean exposed resilient base, resilient stair treads, and // sheet rubber flooring // surfaces. Remove contaminants and stains.
  1. Clean with mild detergent. Leave surfaces free of detergent residue.

SPEC WRITER NOTE: Verify manufacturer's instructions for polishing resilient base.
- C. Polish exposed resilient base to gloss sheen.

**3.7 PROTECTION**

- A. Prohibit traffic on resilient stair treads // and sheet rubber flooring // 72 hours, minimum, after installation.
- B. Protect products from construction traffic and operations.
  1. Cover resilient stair treads // and sheet rubber flooring // with reinforced kraft paper, and plywood or hardboard.
  2. Maintain protection until directed by Contracting Officer's Representative.
- C. Replace damaged products and re-clean.
  1. Damaged Products include cut, gouged, scraped, torn, and unbonded products.

- - E N D - -