

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

SPEC WRITER NOTES:

1. Use this section only for NCA projects.
2. Delete between // _____// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies the installation of resilient base and resilient stair treads with sheet rubber flooring on landings.

1.2 RELATED WORK

- A. Color and texture: Section 09 06 00, SCHEDULE FOR FINISHES.
- B. Integral base with sheet flooring: Section 09 65 16, RESILIENT SHEET FLOORING.

1.3 PERFORMANCE REQUIREMENTS

- A. VOC Emissions:
1. Provide low VOC materials and adhesives with Green Seal Certification to GS-36 and description of the basis for certification //; or // . //

1.4 SUSTAINABILITY REQUIREMENTS

- A. Materials in this section may contribute towards contract compliance with sustainability requirements. See Section 01 81 13, SUSTAINABLE DESIGN REQUIRMENTS, for project // local/regional materials, // low-emitting materials, // recycled content, // _____// requirements.

1.5 REGULATORY REQUIREMENTS FOR RECYCLED CONTENT

- A. Products and Materials with Post-Consumer Content and Recovered Materials Content:
1. Contractor is obligated by contract to satisfy Federal mandates for procurement of products and materials meeting recommendations for post-consumer content and recovered materials content; the list of designated product categories with recommendations has been compiled by the EPA - refer to <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program#directory>.

2. Materials or products specified by this section may be obligated to satisfy this Federal mandate and Comprehensive Procurement Guidelines program.
3. The EPA website also provides tools such as a Comprehensive Procurement Guideline (CPG) Program and Product Supplier Directory search engine and product resource guides.

B. FULFILLMENT OF REGULATORY REQUIREMENTS DOES NOT RELIEVE THE CONTRACTOR OF SATISFYING SUSTAINABILITY REQUIREMENTS STIPULATED BY SECTION 01 81 13, SUSTAINABLE DESIGN REQUIREMENTS, AS IT RELATES TO RECYCLED CONTENT; ADDITIONAL PRODUCT AND MATERIAL SELECTIONS WITH RECYCLED CONTENT MAY BE REQUIRED, AS DETERMINED BY CONTRACTOR'S SUSTAINABILITY ACTION PLAN.1.6 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 1. Base and stair material manufacturer's recommendations for adhesives.
 2. Application and installation instructions.
- C. Samples:
 1. Base: 150 mm (6 inches) long, each type and color.
 2. Resilient Stair Treads: 150 mm (6 inches) long.
 3. Sheet Rubber Flooring: 300 mm (12 inches) square.

1.7 DELIVERY

- A. Deliver materials to the site in original sealed packages or containers, clearly marked with the manufacturer's name or brand, type and color, production run number and date of manufacture.
- B. Materials from containers which have been distorted, damaged or opened prior to installation will be rejected.

1.8 STORAGE

- A. Follow manufacturer's instruction for storage and protection from damage by handling and construction operations before, during, and after installation.

SPEC WRITER NOTES:

1. Update and specify in both listing and Part 2 only that, which applies to the project.

1.9 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to extent referenced. Publications are referenced in text by the basic

designation only. Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.

SPEC WRITER NOTES:

1. Remove reference citations that do not remain in Part 2 or Part 3 of edited specification.
2. Verify and make dates indicated for remaining citations the most current at date of submittal; determine changes from date indicated on the TIL download of the section and modify requirements impacted by the changes.

B. American Society for Testing and Materials (ASTM):

F1344-21A	Rubber Floor Tile
F1859-21A	Rubber Sheet Floor Covering without Backing
F1860-21A	Rubber Sheet Floor Covering with Backing
F1861-21	Resilient Wall Base
F2169-15R20	Resilient Stair Treads Base

PART 2 - PRODUCTS

2.1 GENERAL

- A. Use only products by the same manufacturer and from the same production run.

SPEC WRITER NOTES:

1. Allow rubber or vinyl base as option.
2. Where solid vinyl products are specified seek products with recycled content where possible.

2.2 RESILIENT BASE

- A. ASTM F1861, 3 mm (1/8 inch) thick, 100 mm (4 inches) high, Type TP (Thermoplastic Rubber).
- B. Where carpet occurs, use Style A-straight at carpet locations; Style B-cove other locations.

2.3 RESILIENT TREADS

- A. Conform to ASTM F2169 for surface of treads //Class 1 smooth//Class 2 raised //round// square// diamond// stud // ribbed// pattern//and have //Group 1 abrasive non-slip strip//Group 2 strip for visually impaired of contrasting //____// color of //same//abrasive// material//.
- B. Provide a one-piece nosing/tread/riser or a two piece nosing/tread design with a matching coved riser.
- C. Nosing shape to conform to sub-tread nosing shape.

2.4 SHEET RUBBER FLOORING

SPEC WRITER NOTES:

1. Coordinate article 2.4 and 3.6 with
SCHEDULE FOR FINISHES.

- A. ASTM F1344, F1859 or F1860, 900 mm (36 inches) wide, 3 mm (1/8 inch) thick, smooth face, material by the same manufacturer as the rubber treads, color and pattern to match treads.
- B. Use for stair landings.
- C. Use rubber flooring made with a minimum of 90% consumer rubber where possible.

2.5 PRIMER (FOR CONCRETE FLOORS)

- A. As recommended by the adhesive and tile manufacturer.

2.6 LEVELING COMPOUND (FOR CONCRETE FLOORS)

- A. Provide products with latex or polyvinyl acetate resins in the mix.

2.7 ADHESIVES

- A. Use products recommended by the material manufacturer for the conditions of use.
- B. Provide low VOC products that comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

PART 3 - EXECUTION

3.1 PROJECT CONDITIONS

- A. Maintain temperature of materials above 21° C (70°F), for 48 hours before installation.
- B. Maintain temperature of rooms where work occurs, between 21° C and 27° C (70°F and 80°F) for at least 48 hours, before, during, and after installation.
- C. Do not install materials until building is permanently enclosed and wet construction is complete, dry, and cured.

3.2 INSTALLATION REQUIREMENTS

- A. The respective manufacturer's instructions for application and installation will be considered for use when approved by the COR.
- B. Submit proposed installation deviation from this specification to the RE/COR indicating the differences in the method of installation.
- C. The COR reserves the right to have test portions of material installation removed to check for non-uniform adhesion and spotty adhesive coverage.
 - 1. Do not use solvents to remove adhesives.
 - 2. Prepare substrate as specified.

3.3 BASE INSTALLATION

A. Location:

1. Unless otherwise specified or shown, where base is scheduled, install base over toe space of base of casework, lockers, and where other equipment occurs.
2. Extend base scheduled for room into adjacent closet, alcoves, and around columns.

B. Application:

1. Apply adhesive uniformly with no bare spots.
2. Set base with joints aligned and butted to touch for entire height.
3. Before starting installation, layout base material to provide the minimum number of joints with no strip less than 600 mm (24 inches) length.
 - a. Short pieces to save material will not be permitted.
 - b. Locate joints as remote from corners as the material lengths or the wall configuration will permit.

C. Form corners and end stops as follows:

1. Score back of outside corner.
2. Score face of inside corner and notch cove.

D. Roll base for complete adhesion.

3.4 STAIR TREAD INSTALLATION

A. Prepare surfaces to receive the treads in accordance with applicable portions of paragraph, preparation.

B. Layout of Treads:

1. No joints will be accepted in treads.
2. Set full treads on intermediate and floor landings.

C. Application:

1. Apply adhesive uniformly with no bare spots.
2. Roll and pound treads to assure adhesion.

SPEC WRITER NOTES:

1. If rubber tile is used, specified in Section 09 65 19, RESILIENT TILE FLOORING, delete sheet rubber unless both are scheduled in Section 09 06 00, SCHEDULE FOR FINISHES.

3.5 SHEET RUBBER INSTALLATION.

A. Prepare surfaces to receive sheet rubber in accordance with manufacturer instructions.

B. Layout of Sheet Rubber:

1. Use minimum number of joints compatible with material direction and symmetrical joint location.
2. Where sheet rubber intersects vertical stair members, other sheets, stair treads, and other resilient materials at the floor landings, material must be in contact for the entire length or within 5 mils (0.005 inch).
3. Install sheet rubber on floors and intermediate landings where resilient stair treads are installed; center joint with other flooring material under doors.

C. Application:

1. Apply adhesive uniformly with no bare spots.
2. Roll sheet rubber to assure adhesion.

3.6 CLEANING AND PROTECTION

- A. Clean all exposed surfaces of base and adjoining areas of adhesive spatter before it sets.
- B. Keep traffic off resilient material for at least 72 hours after installation.
- C. Clean and polish materials in the following order:
 1. After two weeks, scrub resilient base, sheet rubber and treads materials with a minimum amount of water and a mild detergent. Leave surfaces clean and free of detergent residue. Polish resilient base to a gloss finish.
 2. Do not polish tread and sheet rubber materials.
- D. When construction traffic is anticipated, cover tread materials with reinforced kraft paper and plywood or hardboard properly secured and maintained until removal is directed by the COR.
- E. Where protective materials are removed and immediately prior to acceptance, replace damaged materials and re-clean resilient materials. Damaged materials are defined as having cuts, gouges, scrapes or tears and not fully adhered.

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