

SECTION 096513**RESILIENT STAIR TREADS AND RISERS****PART 1 GENERAL****1.1 GENERAL REQUIREMENTS**

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. Work of this Section includes all labor, materials, equipment, and services necessary to complete the resilient stair treads and risers as shown on the drawings and/or specified herein, including, but not limited to, the following:
 - 1. Rubber stair treads and risers.
 - 2. Accessories.

1.3 RELATED SECTIONS

- A. Steel Pan Stairs - Section 055113.

1.4 QUALITY ASSURANCE

- A. Qualifications of Installers: Use only personnel who are thoroughly trained and experienced in the skills required and completely familiar with the requirements established for this work.

1.5 SUBMITTALS

- A. Manufacturer's Data: For information only, submit manufacturer's technical information and installation instructions for type of resilient stair treads.
- B. Samples: Submit full size sample of stair tread.

1.6 DELIVERY AND STORAGE

- A. Deliver materials to the project site in the manufacturer's original unopened containers, clearly marked to indicate pattern, gauge, lot number and sequence of materials.
- B. Carefully handle all materials and store in original containers at not less than seventy (70) degrees F. for at least forty-eight (48) hours before start of installation.

1.7 JOB CONDITIONS

- A. Continuously heat spaces to receive treads to a temperature of seventy (70) degrees F for at least forty-eight (48) hours prior to installation whenever project conditions are such that heating is required. Maintain seventy (70) degrees F temperature continuously during and after installation as recommended by the manufacturer, but for not less than forty-eight (48) hours. Maintain a temperature of not less than fifty-five (55) degrees F in areas where work is completed.

PART 2 PRODUCTS**2.1 STAIR TREADS AND RISERS**

- A. Provide stair treads, ASTM F2169, Type TS (rubber, vulcanized thermoset), 1/4" thick and tapered to back edge, in lengths and depth to fit tread of stair. Nosings shall be square, adjustable to fit angle of stair nosing, 1-1/2" height. Stairs shall have circular raised surface design. Tread type and color as noted on drawing sheet A-006.00 "Finish Specifications and Glazing Schedule", or approved equal manufactured by Flexco Corp., Johnsonite, Roppe Corp. At bottom tread of each rise provide stair tread with integral photoluminescent strip as indicated on drawings.

2.2 ACCESSORIES

- A. Adhesives: Waterproof, stabilized type, as recommended by the manufacturer for the type of service indicated.
- B. Concrete Slab Primer: Non-staining type recommended by the manufacturer.
- C. Leveling Compound: Latex/Portland cement flash patching and leveling compound equal to No. 226 with 3701 admixture made by Laticrete or equal made by Mapei, H.B. Fuller or approved equal.
- D. Stair-Tread-Nose Filler: Two-part epoxy compound recommended by resilient tread manufacturer to fill nosing substrates that do not conform to tread contours.
- E. Finish
 - 1. Cleaner shall be equal to "Super Shine All" made by Hillyard Chemical Co., or approved equal.
 - 2. Wax shall be equal to "Super Hil-Brite" made by Hillyard Chemical Co., or approved equal.

PART 3 EXECUTION**3.1 INSPECTION**

- A. Examine the areas and conditions where resilient treads and risers are to be installed and correct any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.

3.2 CONDITION OF SURFACES

- A. Allowable Variations in Substrate Levels (Floors): $\pm 1/8"$ in 10'-0" distance and 1/4" total maximum variation from levels shown.
- B. Grind or fill concrete substrates as required to comply with allowable variation.

3.3 PREPARATION

- A. Etch concrete substrate as may be required to remove curing compounds or other substances that would interfere with proper bond of adhesive for tile. Rinse with water to remove all traces of treatment.

- B. Perform moisture tests on concrete slabs to determine that concrete surfaces are sufficiently cured and are ready to receive tile installation.
- C. Concrete Primer: Apply concrete slab primer if recommended by tile manufacturer, prior to application of the adhesive. Apply in compliance with manufacturer's directions.

3.4 INSTALLATION

- A. Use stair-tread-nose filler to fill nosing substrates that do not conform to tread contours.
- B. Tightly adhere to substrates throughout length of each piece.
- C. For treads installed as separate, equal-length units, install to produce a flush joint between units.

3.5 CLEANING AND PROTECTION

- A. Remove any excess adhesive or other surface blemishes from treads using neutral type cleaners as recommended by the manufacturer.
- B. Finishing: After completion of the project, and just prior to the final inspection of the work, thoroughly clean treads. Apply two (2) coats of wax and buff using materials as specified herein.

END OF SECTION

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