

Scope Area & Specifications

Scope of work:

This project consists of the complete flooring lifecycle—from removal to installation—for five (5) stairwells. **It is the Contractor's responsibility to conduct thorough field verifications of each stairwell to ensure accuracy in bidding and the procurement of materials.** The scope encompasses the entire footprint of each stairwell.

- Qty (1): 4 Story Stairwell & Landings – Center West –of RST-1 (C.I. Takron) and stairwell entry floor ECPTL-1 (Milliken; Obex Entrance Flooring)
- Qty (1): 2 Story Stairwell & Landing – South Athletic – of ST-1 (C.I. Takron) and stairwell entry floor ECPTL-1 (Milliken; Obex Entrance Flooring)
- Qty (3): 3 Story Stairwell & Landings – Center East, East End, and West End – 3 Levels of ST-1 (C.I. Takron) and stairwell entry floor ECPTL-1 (Milliken; Obex Entrance Flooring)

Photos below are for reference and are not all inclusive of the area being replaced.







Specifications:

09 6513 Resilient Base and Accessories

09 6813 Tile Carpeting

SECTION 09 6513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Thermoplastic-rubber base.
 2. Resilient stair accessories.
 3. Rubber stair accessories.
 4. Resilient molding accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.3 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Furnish not less than 5 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.5 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following periods:
1. 48 hours before installation.
 2. During installation.
 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 RESILIENT BASE AND ACCESSORIES

- A. Products: Subject to compliance with requirements, provide products indicated on Drawings.

2.2 RESILIENT BASE

- A. Thermoplastic-Rubber Base (RB-1): ASTM F 1861, Type TP (rubber, thermoplastic).

1. Product: Subject to compliance with requirements, provide Tarkett / Johnsonite; Duracove.
 - a. Color: As specified within Material Selection Schedule.
2. Group: I (solid, homogeneous).
3. Style: Style B, cove.
4. Thickness: 0.125 inch.
5. Height: 4 inches.
6. Lengths: Coils in manufacturer's standard length.
7. Outside Corners: Job formed.
8. Inside Corners: Job formed.

- B. Thermoplastic-Rubber Base (RB-2): ASTM F 1861, Type TP (rubber, thermoplastic).

1. Product: Subject to compliance with requirements, provide Tarkett / Johnsonite ; Millwork
 - a. Color: As indicated within Material Selection Schedule.
2. Group: I (solid, homogeneous).
3. Style and Location:
 - a. Style D, Sculptured: Provide in areas indicated on finish plans.
 - 1) Profile: Monument.
4. Thickness: 0.25 inch (6.4 mm).
5. Height: 4 inches.
6. Lengths: Coils in manufacturer's standard length.
7. Outside Corners: Job formed.
8. Inside Corners: Job formed.

- C. Thermoplastic-Rubber Base (RB-3): ASTM F 1861, Type TP (rubber, thermoplastic).

1. Product: Subject to compliance with requirements, provide Tarkett / Johnsonite; Duracove
 - a. Color: As indicated within Material Selection Schedule.
2. Group: I (solid, homogeneous).
3. Style: Style B, cove.
4. Thickness: 0.125 inch.
5. Height: 2-1/2 inches.
6. Lengths: Coils in manufacturer's standard length.
7. Outside Corners: Job formed.
8. Inside Corners: Job formed.

- D. Thermoplastic-Rubber Base (RB-4): ASTM F 1861, Type TP (rubber, thermoplastic).
 - 1. Product: Subject to compliance with requirements, provide Tarkett / Johnsonite; Millwork
 - a. Color: As indicated within Material Selection Schedule.
 - 2. Group: I (solid, homogeneous).
 - 3. Style and Location:
 - a. Style D, Sculptured: Provide in areas indicated on finish plans.
 - 1) Profile: Mandalay.
 - 4. Thickness: 0.375 inch.
 - 5. Height: 6 inches.
 - 6. Lengths: Coils in manufacturer's standard length.
 - 7. Outside Corners: Job formed.
 - 8. Inside Corners: Job formed.

2.3 VINYL STAIR ACCESSORIES

- A. Stair Treads (RST-1): ASTM F 2169.
 - 1. Product: Subject to compliance with requirements, provide C.I Takiron; Nattice
 - a. Color: As indicated within Material Selection Schedule .
 - 2. Type: TV (vinyl, thermoplastic).
 - 3. Class: 2 (pattern; embossed, grooved, or ribbed).
 - 4. Group: 2 (with contrasting color for the visually impaired).
 - 5. Nosing Style: Square, adjustable to cover angles between 60 and 90 degrees.
 - 6. Nosing Height: 1.57 inches (40 mm).
 - 7. Thickness: 0.10 inch (2.5mm).
 - 8. Size: Lengths and depths to fit each stair tread in one piece.
- B. Integral Risers: Smooth, flat; in height that fully covers substrate.

2.4 RUBBER MOLDING ACCESSORY

- A. Description: Rubber nosing for carpet.
- B. Profile and Dimensions: As indicated on Drawings.
- C. Locations: Provide rubber molding accessories in areas indicated.
- D. Colors: Match adjacent rubber base.

2.5 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.

- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.
- C. Stair-Tread Nose Filler: Two-part epoxy compound recommended by resilient stair-tread manufacturer to fill nosing substrates that do not conform to tread contours.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates for Resilient Stair Accessories: Prepare horizontal surfaces according to ASTM F 710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9 pH.
 - 4. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Relative Humidity Test: Using in-situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install resilient products until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.2 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.

- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- G. Job-Formed Corners:
 - 1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Form without producing discoloration (whitening) at bends.
 - 2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Miter or cope corners to minimize open joints.

3.3 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Stair Accessories:
 - 1. Use stair-tread-nose filler to fill nosing substrates that do not conform to tread contours.
 - 2. Tightly adhere to substrates throughout length of each piece.
 - 3. For treads installed as separate, equal-length units, install to produce a flush joint between units.
- C. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION 09 6513

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SECTION 09 6813 - TILE CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes modular carpet tile.
- B. Related Requirements:
 - 1. Section 09 6513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.
 - 2. Section 09 6816 "Sheet Carpeting" for carpet roll goods.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
 - 1. Carpet Tile: Full-size Sample.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd..

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the Floor Covering Installation Board or who can demonstrate compliance with its certification program requirements.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

1.8 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

1.9 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.
 - b. Dimensional instability.
 - c. Excess static discharge.
 - d. Loss of tuft-bind strength.
 - e. Loss of face fiber.
 - f. Delamination.
 - 3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE

- A. Products: Subject to compliance with requirements, provide products indicated on Drawings.
 - 1. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm according to NFPA 253.

A Carpet Tile ECPTL-1: As follows:

1. Product: Subject to compliance with the requirements, provide Milliken; Obex Entrance Flooring collection, Cut/Strum style.
 - a. ECPTL-1: As indicated within Material Selection Schedule.
2. Fiber Type: Milliken-Certified WearOn Nylon Monofilament.
3. Pile Characteristic: Tufted Cut pile.
4. Total Weight: 130 oz./sq. yd. for finished carpet tile.
5. Backing System: PVC-Free WellBAC Comfort Plus Cushion.
6. Size: 19.7 x 19.7 inches (50 x 50 cm).
7. Performance Characteristics:
 - a. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.

2.3 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Trowel-Applied Underlayment: Portland cement-based matrix formulated for skim-coating flooring substrates.
 1. Product: Ardex SD-F Feather Finish.
- C. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
 1. VOC Content: 50 g/L or less.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
1. Concrete Slabs:
 - a. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - 1) Relative Humidity Test: Using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
 - 2) Perform additional moisture tests recommended in writing by adhesive and carpet tile manufacturers. Proceed with installation only after substrates pass testing.
 2. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
1. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
 2. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
 3. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.2 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: Glue down; install every tile with full-spread, releasable, pressure-sensitive adhesive.
1. Provide J&J's PreFix pre-applied adhesive on Textile Composite Flooring (TCF-1).
- C. Installation Pattern: As indicated on Drawings and/or within Material Selection Schedule.
- D. Maintain dye-lot integrity. Do not mix dye lots in same area.
- E. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- F. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.

- G. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- H. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- I. Install pattern parallel to walls and borders.
- J. Cleaning: Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- K. Protect installed carpet tile to comply with the Carpet and Rug Institute'sCRI 104, Section 13.7.
- L. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 09 6813

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