

SECTION 09 68 13 - TILE CARPETING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. **KROGER NATIONAL ACCOUNT AGREEMENT:** Contractor purchased - Contractor installed.
 - a. The following items are to be provided by the Contractor and purchased under a National Account Agreement with the Kroger Co.:
 - 1) **Material:**
 - a) Tile carpeting where indicated.
 - b) Tile carpeting for vestibules.
 - c) Adhesive for tile carpeting.
 2. Installation of tile carpeting by Contractor.
 3. Additional items supplied and installed by Contractor not part of Kroger National Account Agreement:
 - a. Trowelable leveling and patching compounds.
 - b. Metal edge strip (for vestibule).
 - c. Concrete sealer.
 - d. Accessories as required for a complete installation.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.

1.3 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. (8.3 sq. m).

1.4 FIELD CONDITIONS

- A. General: Comply with CRI 104, Section 6.1, "Site Conditions, Temperature and Humidity".

- B. Do not commence with carpet tile installation until painting and finishing work is complete and ceilings and overhead work has been tested, approved, and completed.
- C. In areas to receive carpet tile, room temperatures shall be maintained at 65-90 degrees F and with relative humidity ranging between 20 and 65 percent minimum for 72 hours prior to, during, and 72 hours following application. Materials shall be conditioned at application temperature and humidity at least 24 hours prior to application. Provide sufficient lighting for carpet installation.
- D. Subfloor Moisture Conditions: Before installing carpet tile verify that moisture emission rate of not more than 3 lb/1000 sq. ft./24 hours when tested by calcium chloride moisture test in compliance with CRI 104, 6.2.1, with subfloor temperatures not less than 55 deg F, or as recommended by manufacturer.
- E. Subfloor Alkalinity Conditions: Before installing carpet tile, verify that a pH range of 5 to 9 when subfloor is wetted with potable water and pHydron paper is applied.

1.5 WARRANTY

- A. Warranty information for tile carpeting is specified in Division 01 Section "Product Warranties."

PART 2 - PRODUCTS

2.1 CARPET TILE

- A. Manufacturer: The Mohawk Group.
 - 1. Supplier: Mohawk Carpet Distribution Inc.
 - 2. Kroger Account Representative: 800-622-6228 ext. 24739. Specify store number and address when ordering.
 - 3. No substitutions allowed.
- B. Performance Specifications:
 - 1. Smoke Density: ASTM E 662 Less than 450
 - 2. Static: AATCC-134 Under 3.5 KV
 - 3. Flammability: ASTM E 648 Class I (Glue Down)
- C. Styles and Colors: As specified in Division 01 Sections "General Interior Finishes and Colors" and "Décor Interior Finishes and Colors."

2.2 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.

- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, low VOC type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet.
 - 1. Product: The Mohawk Group; Enpress PSA Pressure Sensitive Adhesive. No substitutions allowed.
 - 2. VOC Limits (Rule # 1168 of California's SCAQMD): Less than 34 g/L.
- C. Metal Edge Strips: Angle shape profile with textured, sloped exposed surface, tapered leading edge, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
 - 1. Product: Schluter Systems L.P.; RENO-RAMP.
 - 2. Material: Aluminum.
 - 3. Height: Match carpet thickness.
 - 4. Finish: Satin anodized.
- D. Concrete Sealer: High strength acrylic based compound formulated to isolate cutback and other types of old adhesive residues.
 - 1. Product: The Mohawk Group; SurfaceSeal.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance. Verify that substrates and conditions are satisfactory for carpet tile installation and comply with requirements specified.
- B. Verify that concrete slabs comply with ASTM F 710 and the following:
 - 1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet tile manufacturer.
 - 2. Subfloor finishes comply with requirements specified in Division 3 Section "Cast-in-Place Concrete" for slabs receiving carpet.
 - 3. Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.

3.2 PREPARATION

- A. General: Comply with CRI 104, Section 6.2, "Site Conditions; Floor Preparation," and carpet manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile installation.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, and depressions in substrates.

- C. 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 carpet manufacturer.
- D. Remove existing adhesives by mechanically scraping down to a bare residue flat with the substrate. Do not use solvent or liquid cleaners to remove old adhesive. Floors must be clean, dry and free of any other concrete sealers, curing compounds, wax, oil, paint or any foreign matter that will interfere with a good bond.
- E. Apply concrete sealer per manufacturer's written instructions and as follows:
 - 1. Apply with roller, as an even coat over the entire surface of the floor.
 - 2. Keep the application roller wet with material. Only one coat is required, at an application rate of 315 - 360 square feet per gallon.
 - 3. Allow concrete sealer to dry for a minimum of 4 hours, until completely dry and hardened to the touch.
- F. Broom and vacuum clean substrates to be covered immediately before installing carpet. After cleaning, examine substrates for moisture, alkaline salts, carbonation, or dust. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

- A. General: Comply with CRI 104, Section 14, "Carpet Modules," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: Glue down; install every tile with full-spread, releasable, pressure-sensitive adhesive Partial glue down; install periodic tiles with releasable, pressure-sensitive adhesive. Maintain dye lot integrity. Do not mix dye lots in same area.
- C. Do not bridge building expansion joints with carpet tile.
- D. 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 manufacturer.
- E. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.
- G. Install pattern parallel to walls and borders.
- H. Install carpet tiles in pattern as indicated in Division 01 Sections "General Interior Finishes and Colors" or "Décor Interior Finishes and Colors" or as indicated on Drawings.
- I. Metal Edge Strip: Install strip per manufacturer's instructions.

1. Install strip with countersunk screws through anchoring leg at **24 inches (610 mm)** o.c.
2. Fill cavity beneath the sloped section of the profile with thin-set mortar.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 1. Remove excess adhesive, seam sealer, 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.
- B. Protect installed carpet tile to comply with CRI 104, Section 16, "Protecting Indoor Installations."
- C. 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 68 13

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