
SECTION 09 68 10

TILE CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide carpet tile including edge strips where carpeting terminates at other floor finishes and accessories as required for complete finished installation.
- B. Related Sections:
 - 1. Section 09 68 00: Broadloom type carpeting.

1.2 SUBMITTALS

- A. Product Data: Prior to final acceptance of carpet tile installation, submit manufacturer's detailed maintenance recommendations for care, cleaning and repair of carpet tiles installed.
- B. Shop Drawings: Clearly indicate carpet tile layout, direction of carpet tiles, adhesive to be used, method of integrating edge strips with carpet tile, and installation procedures.
- C. Samples: Submit samples of each carpet tile type and color, and of each color of edge strip.
- D. Certificate of Compliance: Furnish manufacturer's certificate of compliance stating each material delivered conforms to Specifications.
- E. Maintenance Recommendations: Prior to final acceptance of carpet tile installation, furnish carpet tile manufacturer's detailed maintenance recommendations for care, cleaning and repair of carpet tiles installed.
- F. Maintenance Materials: Submit unused carpet tiles. Box unused carpet tiles and mark boxes indicating color and location installed.

1.3 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for carpet systems and adhesives.
- B. Installer Qualifications: Firm with minimum five years successful experience in carpet tile installation and approved by carpet tile manufacturer.
 - 1. Upon request, submit letter from carpet manufacturer stating installer is acceptable.
- C. Mock-Up: Provide minimum 12' by 12' mock-up of carpet tile for approval prior to beginning installation; approved mock-up may be incorporated into finished installation.

1.4 PROJECT CONDITIONS

- A. Do not commence carpet tile installation until painting and finishing work is complete and ceiling and other overhead work has been tested, approved and completed, unless specifically approved.
- B. Maintain room temperature at minimum 60 degrees F for at least 24 hours prior to installation; relative humidity shall be approximately that at which area is to be maintained.
- C. Schedule, receive, and place carpet tile on floors indicated; protect from soiling and damage during transit, storage, and installation.

1.5 WARRANTY

- A. Extended Correction Period: Provide for promptly making good or replacing defective materials or workmanship. Repairs shall take place within ten days of written notification.
 - 1. Period: Two years.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Collins and Aikman Corp.
- B. Bentley Prince Street.
- C. Interface Flooring Systems, Inc.
- D. Lees Carpets, Division of Burlington, Inc.
- E. Shaw Commercial Carpets.
- F. Manufacturers listed on Finish Schedule.
- G. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide carpet tile including edge strips where carpeting terminates at other floor finishes and accessories.
- B. Regulatory Requirements: Carpet tiles shall have passed following fire and smoke tests.
 - 1. DOC-FF-1-70: Pass.
 - 2. ASTM E662 (Smoke Developed): 450 or less.
 - 3. ASTM E648 or NFPA 253 (Flooring Radiant Panel Test): 0.45 or higher.
- C. Design Criteria: Provide carpet materials that bear Carpet and Rug Institute "Green Label Plus".

- D. Performance Requirements, Static: Carpet tile shall develop less than 3.0 kilovolts of static at 70 degrees F and 20 percent relative humidity.
- E. Carpet Tile: Types as indicated on Finish Schedule; where carpet tile is not indicated provide as directed by Architect based on following criteria.
 - 1. Yarn: 6.6 or later generation continuous filament soil hiding nylon.
 - 2. Face Weight: Minimum 30 oz. per square yard.
 - 3. Tile Size: As indicated, as selected by Architect from manufacturer's full range of carpet tile sizes where not indicated.
 - 4. Pile Height: Maximum 1/2".
 - 5. Backing: Integrated polyurethane cushion; no latex backing permitted.
 - 6. Antimicrobial Treatment: Provide to inhibit growth of bacteria, mold, and mildew.
 - 7. Soil-Resistant Treatment: Manufacturer's standard integral stain resistance.
 - 8. Colors: Where color is not indicated on Drawings or Finish Schedule, provide custom color as directed by Architect.
- F. Adhesive: Nontoxic type recommended by carpet tile manufacturer to suit application and expected service.
- G. Leveling and Ramping Material: Latex-cement material designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.
 - 1. Use material capable of being applied and feathered out to adjacent floor without spalling.
- H. Edge Strips: Vinyl or rubber.
 - 1. Colors: Where color is not indicated on Drawings or Finish Schedule, provide custom color as directed by Architect.
- I. Accessories: Provide as required for complete finished installation.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean floors of dust, dirt, solvents, oil, grease, paint, plaster and other substances detrimental to proper performance of adhesive and carpet tile; allow floors to thoroughly dry.
- B. Ensure floors are level, with maximum surface variation of 1/4" in 10 feet.
- C. Ensure concrete floors are free from scaling and irregularities and exhibit neutrality relative to acidity and alkalinity.

- D. Use leveling and ramping material to patch cracks, small holes, leveling and for ramping to provide finished carpet tile within 1/2" of adjacent flooring materials.
- E. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

3.2 INSTALLATION

- A. Install carpet tiles in accordance with manufacturer's recommendations and installation instructions.
 - 1. Adhere tiles to subfloor unless otherwise approved.
- B. Prime substrate if required and as recommended by manufacturer. Spread adhesive in quantity recommended by manufacturer to ensure proper adhesion. Apply only enough adhesive to permit proper adhesion of carpet tile before initial set.
- C. Lay carpet tile with run of pile in direction of anticipated traffic; do not change run of pile in any one room or from one room to next where continuous through a wall opening.
 - 1. Finished installation to provide monolithic carpet tile appearance as approved by Architect.
- D. Cut and fit carpet tile neatly around projections through floor and to walls and other vertical surfaces.
- E. Fit carpet tiles snugly to walls or other vertical surfaces, leaving no gaps.
- F. Lay installation tight and flat to subfloor well fastened and uniform in appearance; ensure monolithic color, pattern and texture match within any one area.
- G. Edging Strips: Install in accordance with manufacturer recommendations and installation instructions.
 - 1. Install edging strips where carpet terminates at other floor coverings.
 - 2. Use full length pieces only, butt tight to vertical surfaces. Where splicing cannot be avoided, butt ends tight and flush.
- H. Do not place heavy objects such as furniture on carpet tiled surfaces for not less than 24 hours or until adhesive is set.

3.3 CLEANING

- A. Upon completion of carpet tile installation in each area, visually inspect carpet tile installed in that area and immediately remove dirt, soil and foreign substance from exposed face.
- B. Clean in accordance with manufacturer's recommendations.
- C. Inspect adjacent surfaces and remove marks and stains caused by carpet tile installation.

- D. Remove packaging materials, carpet tile scraps, and other debris from carpet tile installation.

END OF SECTION