

SECTION 09680  
CARPET - MODULAR

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Modular Carpet placement.
- B. Accessories

1.2 REFERENCES

- A. ASTM D418 – Test Methods for Testing Pile Yarn Floor Covering Construction
- B. ASTM D2859 - Test Method for Flammability of Finished Textile Floor Covering Materials
- C. ASTM E84 - Surface Burning Characteristics of Building Materials
- D. ASTM E648 - Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
- E. AATCC – American Association of Textile Colorist and Chemists
- F. Florida Department of Agriculture and Consumer Services, Consumer Products Laboratory: Certified Carpet Products
- G. NFPA 253 - Test for Critical Radiant Flux of Floor Covering Systems.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate pattern direction and layout, dimension of carpet area, location of edge strips and seams, and thresholds.
- C. Product Data: Provide data on specified products, describing physical and performance characteristics sizes, patterns, colors available and method of installation.
- D. Samples: Submit two samples of each color and pattern.
- E. Submit two 12" long samples of edge strip and base gripper for each color specified.
- F. An approved independent testing laboratory shall test carpet, or carpet and pad as an assembly.
  - 1. Provide Owner a copy of test report certifying the class and flammability of carpet and backing.
  - 2. Manufacturer shall include certification the carpet/pad meet the results and the results shall be no more than two-years old at time of certification.
- G. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

1.4 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing specified carpet with minimum 5-years documented experience.
- B. Installer: Company specializing in installing carpet with minimum 5-years documented experience.

1.5 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame/smoke rating requirements.
- B. Conform to ASTM E648 Class I for flooring radiant panel test.

- C. Conform to ASTM D2859 for surface flammability ignition test.

#### 1.6 DELIVERLY, STORAGE, and HANDLING

- A. Deliver, store, and handle materials per the manufacturers requirements.
- B. Store materials for at least three-days prior to installation in area of installation to achieve temperature stability.
- C. Maintain minimum 70°F ambient temperature 1-day prior to, during, and 24 hours after installation of materials.

#### 1.7 WARRANTY

- A. Provide written 15-year warranty from the carpet manufacturer against pile wear exceeding 10% in any given area.
- B. Static electricity will maintain static below 3.5 kv @ 70° and 20% relative humidity.
- C. A requirement that any adjustments during the warranty period be handled within 15 days of written notice.
- D. The backing structure will not delaminate from the face structure nor will there be any shrinkage affecting the performance of the face and backing structure for 15 years.

#### 1.8 MAINTENANCE

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include maintenance procedures, recommended maintenance materials and suggested schedule for cleaning.
- C. Provide 2% of each type, color, and pattern in addition to that required for proper installation.

### PART 2 PRODUCTS

#### 2.1 MATERIALS

- A. Modular Carpet:
  - 1. Approved manufacturers: Shaw Contract Group; Bigelow Commercial; Lees Carpet; and Tandus.

1. Flame Spread rating of 25 or less (class A per NFPA) by ASTM-E-84.
2. Smoke Density of 450 or less - by NFPA 258.
3. A peak electrostatic charge of 3.5 KV when tested at 70°F, 20% RH by AISC 135 for the life of the carpet.
4. Breaking Strength: 150 pounds minimum each direction - by ASTM D-682.
5. Shall meet or exceed 0.45 watts per square centimeter for ASTM E648 Class I.
6. Methylamine Tablet Test (DOC-FF-1-70) - pass.
7. Other characteristics:
  - a. Light Fastness per AATCC 16E, 4.0 after 60 hours
  - b. Gas Fade per AATCC 26, 4
  - c. Ozone per AATCC 109, 4
  - d. Anti-microbial per AATCC 174 pt II, greater than 95%
  - e. Fungicidal per AATCC 174 pt III, no growth

## 2.2 ACCESSORIES

- A. Sub-floor Filler: Portland cement-based latex underlayment; type recommended by the flooring manufacturer.
- B. Adhesive: Recommended by carpet manufacturer.
- C. Edge Strips: Color as selected.
- D. Base Gripper: Type, with special lipped edge, color as selected.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that surfaces are smooth and flat with maximum variation of ¼" in 10' and no surface deviations of more than 1/16" per linear foot.
- B. Verify concrete floors are dry to maximum moisture.

ACCESSORIES

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- E. Install thresholds as shown on the shop drawings.
- F. Install rubber base per manufactures requirements in areas show on plans.