

SECTION 09685
CARPET - NON-MODULAR

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Carpet placed with glue down method.
- B. Accessories

1.2 REFERENCES

- A. ASTM D2859 - Test Method for Flammability of Finished Textile Floor Covering Materials
- B. ASTM E648 - Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
- C. ASTM E84 - Surface Burning Characteristics of Building Materials
- D. 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 seaming plan, method of joining seams and direction of carpet.
- 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 18" x 18" in size illustrating color and pattern for each carpet material specified.
- 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 of carpet, or carpet and pad.
 - 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.
- H. Manufacturer's Warranty – Lifetime Stain Warranty and Ten Year Commercial Warranty.

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 ENVIRONMENTAL REQUIREMENTS

- A. Store materials for three-days prior to installation in area of installation to achieve temperature stability.
- B. Maintain minimum 70°F ambient temperature 1-day prior to, during, and 24 hours after installation of materials.

1.7 MAINTENANCE DATA

- 1.8 Submit under provisions of Section 01700.
- 1.9 Maintenance Data: Include maintenance procedures, recommended maintenance materials and suggested schedule for cleaning.

PART 2 PRODUCTS

2.1 MATERIALS

A. Tufted Carpet – Approved manufacturers: Shaw Contract Group; Bigelow Commercial, Lees Carpets, Mannington Commercial, or Tandus.

- 1. Pile Yarn Type – Nylon Type 6 or Type 6.6.
 - Max. Electrostatic Charge 3.5 KV @ 70 ° and 20 percent R.H.
 - Pile Height .187" maximum
 - Gage 1/10 Gauge or higher as tested in ASTM D 418-68
Hi-Performance Broadloom use 1/12 or greater
 - Stitches per Inch 10
 - Pile Weight 24 oz/sq yd minimum as tested in ASTM 418
 - Average Density Minimum 7,000 oz/CY
 - Primary Backing 100% Polypropylene
 - Secondary Backing Unitary
 - Total Weight 77 oz/sq minimum
 - Dye Method 100% Solution Dyed or 65% Solution Dyed/35% Space Dyed
 - Roll Width 12'
 - Color As selected from manufacturer's standards.

B. Test and Standards: (Performance Requirements)

- 1. Flammability: Rating of 75 or less (class B per NFPA) by ASTM-E-84, tunnel test. Standard DOC-FF-170 shall be met. This certification shall be provided to the Owner.
- 2. Smoke Density: Specific optical density of 450 or less (flaming) - by NFPA 258.
- 3. Static Control: Peak electrostatic charge of 3.5 KV when tested at 70°F, 20% RH by AISC 135 - 175 (neolite soles) for the life of the carpet.
- 4. Breaking Strength: 150 pounds minimum each direction - by ASTM D-682.
- 5. Radiant Panel - (ASTM E648). Shall meet or exceed 0.22 flammability test for Class II, and 0.45 watts per square centimeter for Class I.
- 6. Methylamine Tablet Test (DOC-FF-1-70) - pass.
- 7. Color Fastness:
 - a. To crocking - color transfer Class 4, minimum, wet and dry by AATCC-8.
 - b. To light - color contrast minimum of step 4 on the Gray Scale after the equivalent of 2 L-4 brakes (200 AATCC fading units) for light colors and 3 1-4 brakes (60 AATCC fading units for darms) tounexcef qa -Brge7braXentepArcM E6CC-8.

2.2 ACCESSORIES

- A. Sub-floor Filler: Portland cement-based latex underlayment; type recommended by the flooring manufacturer.
- B.

