

**OKLAHOMA STATE UNIVERSITY - BUILDING DESIGN STANDARDS**

## PART 1 GENERAL

## 1.01 STANDARDS:

- A. American National Standards for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People ANSI A117.1.
- B. Uniform Federal Accessibility Standards.
- C. The Carpet and Rug Institute "Standard for Installation of Commercial Textile Floorcovering Materials" (CRI 104).

## 1.02 SUBMITTALS:

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
  - 1. Include certified laboratory test reports for flammability and static tests.
  - 2. **LEED EQ Credit 4.3: Low-Emitting Materials: Carpet Systems. Provide documentation from the manufacturer including VOC and chemical component limits for carpets, pads and sealants.**
- B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
- C. Shop Drawings: Submit layout drawings showing seam locations, pattern, nap direction, and location and type of edge treatment.
- D. Maintenance: Submit instructions for proper maintenance and cleaning.

## 1.03 QUALITY ASSURANCE:

- A. Qualifications:
  - 1. Installer: Firm with not less than three years of carpeting experience on projects of similar size and type to work of this section.
  - 2. Manufacturer: Firm (carpet mill) with not less than three years of production experience with carpet manufacturing, and whose published product literature clearly indicates general compliance of products with requirements of this section.

**OKLAHOMA STATE UNIVERSITY - BUILDING DESIGN STANDARDS**

1.04 WARRANTY:

- A. Provide special warranty, signed by Contractor, Installer and Manufacturer (Carpet Mill), agreeing to repair or replace defective materials and workmanship of carpeting work during two year warranty period following the date of the Notice of Acceptance. Attach copies of product warranties.
- B. Furnish manufacturer's written warranty agreeing to supply replacement carpet if face weight loss in any area exceeds ten percent in ten years.

1.05 MAINTENANCE MATERIAL:

- A. The Owner will review all carpet scraps and retain chosen pieces for future repairs. Selected remnants, usable scraps and overage shall be packaged and identified. The balance shall be removed from the job site.
- B. Provide an additional two percent of each type, color, texture and pattern for future use (except in the case of accent colors, then the design consultant should recommend the appropriate quantities) in full size units.

PART 2 PRODUCTS

2.01 CARPET PERFORMANCE:

- A. Flammability:
  - 1. ASTM D 2859: Passing methenamine pill test.
  - 2. ASTM E 648: flooring radiant panel class 1.
  - 3. ASTM E 622 NBS smoke chamber less than 450.
- B. Electrostatic Propensity: Static Generation: 3.0 KV or less, 20% RH at 70 degrees Farenheit per AATCC 134.
- C. Tuft Bind:
  - 1. Not less than 10 lb. average, ASTM D1335.
- D. Pile Height: Conform to UFAS or ANSI A117.1 for maximum height, whichever is stricter; 1/8" minimum.

**OKLAHOMA STATE UNIVERSITY - BUILDING DESIGN STANDARDS**

## E. Yarn and Construction Method:

1. 18 oz. per sq. yd. minimum face weight using 100% solution dyed nylon or solution dyed nylon and yard dyed nylon, where solution dyed content is not less than 85%. Type 6 or type 6,6 nylon. Minimum face weight density to be 5,100. Cut pile or level loop style.
2. Stitches and Gage: Stitches per inch equal to or greater than gage. No less than 1/10.

## F. Primary and Secondary Backings: Synthetic type.

1. Fiberglass-reinforced thermoplastic polyolefin.
2. Polyvinyl butyral (PVB).
3. Fiberglass-reinforced polyurethane composite.

## G. VOC Limits:

1. **LEED EQ Credit 4.3: Low-Emitting Materials: Carpet Systems. Carpet and carpet padding shall meet or exceed the requirements of the Carpet and Rug Institute's Green Label and Green Label Plus programs.**

## 2.02 ADHESIVE:

A. Adhesive shall be waterresistant, mildewresistant, nonstaining, nongassing (low VOC) type as recommended by the manufacturer for products and subfloor conditions indicated and shall be approved by the Owner. Comply with flammability requirements for installed carpet.

**B. LEED EQ Credit 4.3: Low-Emitting Materials: Carpet Systems. All indoor adhesives shall meet or exceed VOC limit requirements outlined in LEED EQ 4.1.**

## 2.03 AUXILIARY

- A. Edge guards.
- B. Leveling compound.

**END OF SECTION 09682**