

1-25-2013

## 096815 - Tile & Sheet Carpeting

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### Recommended Citation

Hickey, Sandra, "096815 - Tile & Sheet Carpeting" (2013). *Division 09 – Finishes*. 10.  
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## **SECTION 09 6815 – TILE AND SHEET CARPETING**

### 1.1 SUMMARY

#### A. Section Includes:

1. Tufted carpet and carpet tile.

### 1.2 SUBMITTALS

#### A. LEED Submittals:

1. Product Data for Credit MR 4.1 and Credit MR 4.2: Indicate percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
    - a. Include statement indicating costs for each product having recycled content.
  2. Product Data for Credit MR 5.1 and Credit MR 5.2: For regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material.
    - a. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.
  3. Product Data for Credit EQ 4.3:
    - a. For carpet, documentation indicating compliance with testing and product requirements of CRI's "Green Label Plus" program.
    - b. For carpet cushion, documentation indicating compliance with testing and product requirements of CRI's "Green Label" program.
    - c. For installation adhesive, including printed statement of VOC content.
  4. Reclamation Plan: Submit a certificate indicating that carpet manufacturer has a corporate plan to reclaim carpet scraps and used carpet for recycling into new carpet.
- B. Sustainability: Provide the Statement of the Achievement Level the carpet has attained for Silver, 37 to 51 points, based on specific Sustainable Attribute Performance for all product stages according to ANSI/NSF 140.

### 1.3 QUALITY ASSURANCE

#### A. Reclamation Facility shall have the following equipment:

1. Moisture Content Identifier.

2. Fiber Type Identifier.
3. Carpet Baler.

- B. Reclamation facility shall have the ability to generate a certificate of recycling.
- C. Demolition Contractor shall stage all carpet material to be recycled as specified by the reclamation facility.
- D. Carpet material to be recycled shall be stored in a contained, dry area.

#### 1.4 EXTRA MATERIALS

- 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: Full-width rolls equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m).

#### 1.5 TUFTED CARPET AND CARPET TILE

- A. Fiber Content: 100 percent nylon 6, 6 or 100 percent nylon 6 or 100% Wool.
- B. Dye Method: Solution dyed.
- C. Pile Characteristic: Level-loop pile.
- D. Density: For high traffic areas, 7,000 oz/cu. yd. or higher.
- E. Applied Soil-Resistance Treatment: Manufacturer's standard material.
- F. Antimicrobial Treatment: Manufacturer's standard material.
- G. Performance Characteristics: As follows:
  1. Appearance Retention Rating: Heavy traffic, 3.0 minimum per ASTM D 7330.
  2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm.
  3. Dry Breaking Strength: Not less than 100 lbf (445 N) per ASTM D 2646.
  4. Resistance to Insects: Comply with AATCC 24.
  5. Colorfastness to Crocking: Not less than 4, wet and dry, per AATCC 165.
  6. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria; not less than 1-mm halo of inhibition for gram-negative bacteria; no fungal growth; per AATCC 174.
  7. Electrostatic Propensity: Less than 3.5 kV per AATCC 134.
  8. Emissions: Provide carpet that complies with testing and product requirements of CRI's "Green Label Plus" program.

1.6 INSTALLATION ACCESSORIES

- A. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet manufacturer.
  - 1. Use adhesives with VOC content not more than 50 g/L when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1.7 INSTALLATION

- A. Comply with CRI 104 and carpet manufacturer's written installation instructions for the following:
  - 1. Direct-Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation." No pads allowed.

1.8 WARRANTY

- A. Warranty: Minimum 10 years all carpet and backings.

1.9 CLEANING AND PROTECTING

- A. Perform the following operations immediately after installing carpet:
  - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
  - 2. Remove yarns that protrude from carpet surface.
  - 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect installed carpet to comply with CRI 104, Section 16, "Protecting Indoor Installations."
- C. Protect carpet 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 manufacturer.

END OF SECTION 09 6815