

**Product Guide Specification  
Commercial Carpet**

**SECTION 09 68 16**

**Historically Appropriate - Woven Broadloom Carpet**

The design and construction of historically appropriate woven carpet is a unique product created with the intent to aesthetically preserve historic American architectural structures.

All of the carpet patterns and constructions within this specification are designed to be historically appropriate to a particular point in the historical past or historically accurate to a continuation of the historical record this named structure.

The woven carpet products, detailed within this specification, are in compliance with the intent of the following:

- The National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 et seq.) (1966)
- United States Department of the Interior - Secretary Standards for Rehabilitation
  - 36 CFR 67 – Historic Preservation Certifications Section 67.7 (b) (5) & (6)
  - 36 CFR 67 – Historic Preservation Certifications Section 67.7 (c)
- Federal Historic Preservation Tax Incentives program – section 2124 of the Tax Reform Act of 1976, 90 Stat. 1918, EO 11593, 3 CFR part 75 (1971).
- Buy America Act (41 U.S.C. Sec. 10a – American materials required for public use) (1933)
- The Textile Products Identification Act (15 U.S.C. § 70) (1939)
- Wool Product Labeling Act (15 U.S.C. § 68) (1939)
- Executive Order 10582 (1954)
- The American Recover and Reinvestment Act of 2009 (Pub.L. 111-5) – Subpart 25.602

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**PART 1: GENERAL**

**1.1 SECTION INCLUDES:**

- A. Manufacturers
- B. Testing Protocols
- C. Performance Requirements
- D. Product Specifications
- E. Environmental Requirements
- F. Warranties
- G. Exclusions
- H. Installation
- I. Maintenance
- J. Accessories

**1.2 REFERENCES**

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16, Test Method of Colorfastness to Light.
- AATCC 107, Test Method for Colorfastness to Water.
- AATCC 129, Test Method for Colorfastness to Ozone in the Atmosphere Under High Humidity.
- AATCC 134, Test Method for Electrostatic Propensity of Carpets.
- AATCC 165-(93), Test Method for Colorfastness to Crocking: Carpets – AATCC Crock meter Method.
- AATCC 175-(98), Test Method for Stain Resistance: Pile Floor Coverings
- AATCC 189, Test Method for Fluorine Content of Carpet Fibers
- AATCC 164, Test Method for Colorfastness to Oxides of Nitrogen in the atmosphere under High Humidity.

American Society for Testing and Materials (ASTM):

- ASTM D418-(12), Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile thickness Only)
- ASTM D5848, Standard Test Method for Mass Per Unity of Pile Yarn for Floor Covering.
- ASTM D5823, Standard Test Method for Tuft Height of Pile Floor Coverings
- ASTM D5793, Standard Test Method for Binding Sites Per Unity Length or Width of Pile Yarn Floor Coverings.
- ASTM D1335 – Standard Test Method for tuft Bind of Pile Yarn Floor Covering.
- ASTM E648- Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- ASTM E662 – Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- ASTM D3676, Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay (covers thickness, Compression Resistance, Volume, Density, Compression Set, and Accelerated Aging).
- ASTM D3574, Standard Test Methods for Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foams.
- ASTM D3936, Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering.

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International Standards Organization (ISO):

- ISO 2551, Test Method for Dimensional Stability (Aachen test)

Supplemental Testing Procedures:

- PT-155-Rev. 86, Loop Pile Run Resistance test

Carpet and Rug Institute (CRI):

- CRI Indoor Air Quality Testing and Labeling Program
- CRI Appearance Retention Rating Program – CRI TM-101
- CRI 104 – Standard for Installation Specification of Commercial Carpets

US General Services Administration (GSA)

- Category 72 Furnishing and Floor Coverings – Technical Requirements for Carpet, Carpet Tiles, and Carpet Cushion – FSC Group 72, Part I, Section A

U.S. Department of Housing and Urban Development (HUD):

- HUD UM 44D-(93), HUD Building Product Standards and Certification Program for Carpet.

**1.3 PERFORMANCE REQUIREMENTS**

Comply with the following performance requirements:

<b>Test Description</b>	<b>Test Id</b>	<b>Minimum Standards</b>
Pile Fiber Identification	ASTM D629	As specified
Backing Material Identification	ASTM D629	As specified
Finished Pile Weight	ASTM D5848	As specified
Finished Pile Thickness	ASTM D5823	As specified
Tuft Bind (Dry v. Wet)	ASTM D1335	Variation not to exceed 10%
Delamination of Backing	ASTM D3936	No delamination acceptable
Dry Breaking Strength	ASTM D2646	100 pounds minimum
Zippering	ASTM D3936	No zippering acceptable
Pill Test	CPSC FF-1-70	Pass 7 of 8
Radiant Panel	ASTM E-648	>.45 watts/sq. cm – Class I
Smoke Density	ASTM E-662	450 Max (flaming mode)
Static Generation	AATCC 134	3.5 Kv Max
Colorfastness to Light	AATCC 16E	4.0 or better at 40 hrs.
Colorfastness to Crocking	AATCC 165	3.0 or better
Colorfastness to Ozone	AATCC 129	3.0 or better
Indoor Air Quality	CRI IAQ	Green Label Plus
CRI Appearance Retention Rating	CRI ARR	3.0 min – Heavy traffic