

SECTION 09680 - CARPET

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes carpet, carpet cushion, and installation.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 2 Sections for removing existing flooring.
 - 2. Division 3 Sections for curing compounds and other concrete treatments compatibility with carpet and carpet cushion adhesives.
 - 3. Division 6 Section "Rough Carpentry" for subflooring and underlayment.
 - 4. Division 9 Section "Resilient Wall Base and Accessories" for materials and installation.
 - 5. Division 9 Section "Carpet Tile" for materials and installation.
 - 6. Division 16 Section "Interior Lighting" for floor reflectance factors required in designing and selecting lighting fixtures.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data for each type of carpet material, carpet cushion, and installation accessory specified. Submit manufacturer's printed data on physical characteristics, durability, fade resistance, and fire-test-response characteristics. Submit methods of installation for each type of substrate.
- C. Shop Drawings showing columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet. Indicate the following:
 - 1. Existing flooring materials to be removed.
 - 2. Existing flooring materials to remain.
 - 3. Carpet type, color, and dye lot.
 - 4. Locations where dye lot changes occur.
 - 5. Seam locations, types, and methods.
 - 6. Type of subfloor.
 - 7. Type of installation.
 - 8. Pattern type, repeat size, location, direction, and starting point.
 - 9. Pile direction.
 - 10. Type, color, and location of insets and borders.
 - 11. Type of cushion.
 - 12. Type, color, and location of edge, transition, and other accessory strips.
 - 13. Transition details to other flooring materials.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Engage a firm whose carpet materials comply with the U.S. Department of Housing and Urban Development's (HUD) "Use of Materials Bulletin UM-44D" and are currently listed on HUD's "Certified Products Directory" and so identified by imprint on back of carpet.
- B. Single-Source Responsibility: Obtain each type of carpet from one source and by a single manufacturer.
- C. Carpet Fire-Test-Response Characteristics: Provide carpet with the following fire-test-response characteristics as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify carpet with appropriate markings of applicable testing and inspecting agency.
 - 1. Surface Flammability: Passes CPSC 16 CFR, Part 1630.
 - 2. Flame Spread: 25 or less per ASTM E 84.
 - 3. Smoke Developed: 450 or less per ASTM E 84.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 5: "Storage and Handling."
- B. Deliver materials to Project site in original factory wrappings and containers, labeled with identification of manufacturer, brand name, and lot number.
- C. Store materials on-site in original undamaged packages, inside well-ventilated area protected from weather, moisture, soilage, extreme temperatures, and humidity. Lay flat, with continuous blocking off ground.

1.6 PROJECT CONDITIONS

- A. General: Comply with CRI 104, Section 6: "Site Conditions."
- B. Space Enclosure and Environmental Limitations: Do not install carpet until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.

1.7 WARRANTY

- A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
- B. Special Carpet Warranty: Submit a written warranty executed by carpet manufacturer and Installer agreeing to repair or replace carpet that does not meet requirements or that fails in materials or workmanship within the specified warranty period. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, and delamination.
- C. Warranty Period: 10 years from date of Substantial Completion.

1.8 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
 - 1. Carpet: Before installation begins, furnish quantity of full-width units equal to 5 percent of amount installed.

PART 2 - PRODUCTS

2.1 CARPET

- A. Available Products: Subject to compliance with requirements, products that may be incorporated in the Work include, but are not limited to, the products specified in each carpet Product Data sheet at end of this Section.
- B. Products: Subject to compliance with requirements, provide one of the products specified in each carpet Product Data sheet at end of this Section.

2.2 INSTALLATION ACCESSORIES

- A. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated and to comply with flammability requirements for installed carpet as recommended by the following:
 - 1. Carpet manufacturer.
 - 2. Carpet cushion manufacturer.
- B. Tackless Carpet Stripping: Water-resistant plywood in strips as required to match cushion thickness and in compliance with CRI 104, 11.3.

PART 3 - EXECUTION

3.1 PREPARATION

- A. General: Comply with carpet manufacturer's installation recommendations to prepare substrates indicated to receive carpet installation.
- B. Remove subfloor coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone.
- C. Broom or vacuum clean subfloors to be covered with carpet. Following cleaning, examine subfloors for moisture, alkaline salts, carbonation, or dust.

- D. Wood-Subfloor Preparation: Apply wood-floor sealer, according to manufacturer's directions, where recommended by the following:
 - 1. Carpet manufacturer.
 - 2. Carpet cushion manufacturer.

3.2 INSTALLATION

- A. Direct Glue-Down Installation: Comply with CRI 104, Section 8: "Direct Glue-Down."
- B. Double Glue-Down Installation: Comply with CRI 104, Section 9: "Double Glue-Down."
- C. Carpet with Attached-Cushion Installation: Comply with CRI 104, Section 10: "Attached Cushion."
- D. Stretch-in Installation: Comply with CRI 104, Section 11: "Stretch-in Utilizing Tackless Strip."
- E. Comply with carpet manufacturer's recommendations for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under door in closed position. Do not bridge building expansion joints with continuous carpet.
- F. Where demountable partitions or other items are indicated for installation on top of finished carpet floor, install carpet before installation of these items.
- G. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- H. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

3.3 CLEANING

- A. Perform the following operations immediately after completing installation.
 - 1. Remove visible adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
 - 2. Remove protruding yarns from carpet surface.
 - 3. Vacuum carpet using commercial machine with face-beater element.

3.4 PROTECTION

- A. General: Comply with CRI 104, Section 15: "Protection of Indoor Installation."
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure carpet is without damage or deterioration at the time of Substantial Completion.

PRODUCT DATA SHEET 1 - CARPET

- A. Fiber Content: Antron Legacy nylon type 6,6
- B. Face Construction: Microweave
- C. Gauge: 1/12
- E. Pile Height: .1354 inches for finished carpet per ASTM D 418.
- F. Surface Pile Weight: 30 oz/sq yd.
- G. Total Weight: 60 oz/sq yd.
- H. Primary Backing: Polypropylene
- I. Secondary Backing: Action Bac®
- J. Width: 12'6" (Wider Widths Available)
- K. Color and Pattern: Sashi Pattern – 1.5" x 2.125" pattern repeat
- L. Source: Atlas
 - 1. Source Address: 220 Saybrook Avenue, Los Angeles, CA 90040
 - 2. Source Phone Number: (323) 724-9000

END OF SECTION 09680