

SECTION 09680 - CARPET

PART 1 - GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section includes carpet, carpet cushion, and installation.

Related Sections: The following Sections contain requirements that relate to this Section:

Division 3 Sections for curing compounds and other concrete treatments compatibility with carpet and carpet cushion adhesives.

Division 9 Section "Resilient Wall Base and Accessories" for materials and installation.

SUBMITTALS

General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.

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.

Shop Drawings showing columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet. Indicate the following:

Carpet type, color, and dye lot.

Locations where dye lot changes occur.

Seam locations, types, and methods.

Type of subfloor.

Type of installation.

Pattern type, repeat size, location, direction, and starting point.

Pile direction.

Type, color, and location of insets and borders.

Type, color, and location of edge, transition, and other accessory strips.

Transition details to other flooring materials.

Samples for initial selection in the form of manufacturer's color charts or Samples of materials showing the full range of colors, textures, and patterns available for each type of carpet indicated.

Samples for verification of the following products, in manufacturer's standard sizes, showing the full range of color, texture, and pattern variations expected. Prepare Samples from the same material to be used for the Work. Label each sample with manufacturer's name, material type, color, pattern, and designation indicated on Drawings and carpet schedule. Submit the following:

12-inch- (300-mm-) square Samples of each type of carpet material required.

12-inch (300-mm) Samples of each type of exposed edge stripping and accessory item.

Schedule of carpet using same room designations indicated on Drawings.

Maintenance data for carpet and cushion to include in the operation and maintenance manual specified in Division 1. Include the following:

Methods for maintaining carpet and carpet cushion, including manufacturer's recommended frequency for maintaining carpet.

Precautions for cleaning materials and methods that could be detrimental to finishes and performance. Include cleaning and stain-removal products and procedures.

QUALITY ASSURANCE

Installer Qualifications: Engage an experienced Installer who is certified by the Floor Covering Installation Board (FCIB) or who can demonstrate compliance with FCIB certification program requirements.

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.

Single-Source Responsibility: Obtain each type of carpet from one source and by a single manufacturer.

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.

Surface Flammability: Passes CPSC 16 CFR, Part 1630.

Flame Spread: 25 or less per ASTM E 84.

Smoke Developed: 450 or less per ASTM E 84.

DELIVERY, STORAGE, AND HANDLING

General: Comply with the Carpet and Rug Institute's CRI 104, Section 5: "Storage and Handling."

Deliver materials to Project site in original factory wrappings and containers, labeled with identification of manufacturer, brand name, and lot number.

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.

PROJECT CONDITIONS

General: Comply with CRI 104, Section 6: "Site Conditions."

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.

Subfloor Moisture Conditions: Moisture emission rate of not more than 3 lb/1000 sq. ft./24 hours (14.6 kg/1000 sq. m/24 hours) when tested by calcium chloride moisture test in compliance with CRI 104, 6.2.1, with subfloor temperatures not less than 55 deg F (12.7 deg C).

Subfloor Alkalinity Conditions: A pH range of 5 to 9 when subfloor is wetted with potable water and pHHydrion paper is applied.

WARRANTY

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.

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.

Warranty Period: 5 years from date of Substantial Completion.

Special Carpet Cushion Warranty: Submit a written warranty executed by carpet cushion manufacturer and Installer agreeing to repair or replace carpet cushion that does not meet requirements or that fails in materials or workmanship within the specified warranty period. Failures include, but are not limited to, permanent indentation or compression.

Warranty Period: 5 years from date of Substantial Completion.

EXTRA MATERIALS

Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.

Carpet: Before installation begins, furnish quantity of full-width units equal to 5 percent of amount installed.

PART 2 - PRODUCTS

CARPET

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.

Products: Subject to compliance with requirements, provide one of the products specified in each carpet Product Data sheet at end of this Section.

INSTALLATION ACCESSORIES

Concrete-Slab Primer: Nonstaining type as recommended by the following:

Trowelable Underlayments and Patching Compounds: As recommended by the following:

Carpet manufacturer.

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:

Carpet manufacturer.

Tackless Carpet Stripping: Water-resistant plywood in strips as required to match cushion thickness and in compliance with CRI 104, 11.3.

Seaming Cement: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

PART 3 - EXECUTION

EXAMINATION

Examine subfloors and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting performance of carpet. Do not proceed with installation until unsatisfactory conditions have been corrected.

Verify that subfloors and conditions are satisfactory for carpet installation and comply with requirements specified in this Section and those of the following:

Carpet manufacturer.

Carpet cushion manufacturer.

PREPARATION

General: Comply with carpet manufacturer's installation recommendations to prepare substrates indicated to receive carpet installation.

Level subfloor within 1/4 inch in 10 feet (6 mm in 3 m), noncumulative, in all directions. Sand or grind protrusions, bumps, and ridges. Patch and repair cracks and rough areas. Fill depressions.

Use leveling and patching compounds to fill cracks, holes, and depressions in subfloor as recommended by the following:

Carpet manufacturer.

Broom or vacuum clean subfloors to be covered with carpet. Following cleaning, examine subfloors for moisture, alkaline salts, carbonation, or dust.

Concrete-Subfloor Preparation: Apply concrete-slab primer, according to manufacturer's directions, where recommended by the following:

Carpet manufacturer.

INSTALLATION

Direct Glue-Down Installation: Comply with CRI 104, Section 8: "Direct Glue-Down."

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.

Where demountable partitions or other items are indicated for installation on top of finished carpet floor, install carpet before installation of these items.

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.

Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

Install pattern parallel to walls and borders.

Install carpet cushion seams at 90-degree angle with carpet seams.

CLEANING

Perform the following operations immediately after completing installation.

Remove visible adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.

Remove protruding yarns from carpet surface.

Vacuum carpet using commercial machine with face-beater element.

PROTECTION

General: Comply with CRI 104, Section 15: "Protection of Indoor Installation."

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

Carpet Designation: MOHAWK SUPERTRON SD-49445

Construction	Woven Interlock
Pitch	165.P.O.B.
Pile Height as Woven	.200 in. (.169 in. Finished)
Pile Thickness	.113 in.

Rows per inch	7.5
Face Yarn	Antron® Lumena Solution Dyed Nylon
Yarn Weight as Woven	30.0 Oz. Per Square Yard
Backing Material	Synthetic Yarns INTERLOCKED with Face Yarns
Density	9.558
Weight Density	266.726
Stock Width	12'
Flammability	Class 1 – Exceeds .45 Watts Per CM ²
Smoke Density	MBS Smoke Density Chamber (NFA-258): Less than 450
Static Propensity	70/20 AATCC-134: Under 3.5 KV
Antimicrobial	Built-in Antimicrobial Protection
Soil Release	DuraTech® Patented Soil Release
IAQ Certification	13816878
Warranties	Woven Interlock Warranty Colorfast Warranty Lifetime Static

Color and Pattern: as selected by Architect from the manufacturer's full range of colors and patterns.

END OF SECTION 09680