

DESIGN STANDARDS

1. General – This section covers the standards for the design, selection and installation of carpets and associated accessory materials.
2. Select carpet flooring appropriate to room or area program requirements. Refer to schedules in section 09000 - Interior Finishes for Standard Spaces for guidance.
 - 2.1 Use loop pile construction for public and high traffic areas.
 - 2.2 Recommended carpet tiles for use in areas subject to wear patterns or high abuse or damage for ease of repair and maintenance.
 - 2.3 Cut pile product may be considered for low traffic or administrative areas.
 - 2.4 Woven carpet product shall be considered for areas such as auditoriums or classrooms with fixed seats.
 - 2.5 Final product type selection shall be as approved by the University’s Project Manager.
 - 2.6 All carpet (Broadloom and Carpet Tile) is to be direct glue. Carpet tile may be self-adhesive.
3. Custom colors, patterns and designs are to be avoided.
4. The Architect shall include samples of proposed carpet for each area of the project along with samples of all other major finishes on a “color” board for presentation and approval by the University’s Project Manager.
5. Where these design standards limit the project design, the Architect shall present his request for variance to the University’s Project Manager for approval. Such requests shall include sufficient data and information to allow the Project Manager evaluate the implications for the requested variance.

PRODUCT STANDARDS

1. The Architect shall provide detailed specifications for each carpet type included in the project, including: face pile, construction, yarn type, style, pile height, stitch rate, pile face weight, primary backing, secondary backing, sizes/width information, total weight, manufacturer, carpet name/color, special features (anti-static or anti-microbial) and manufacturer contact person and their contact information.
2. The following are specific requirement for all carpet selections:
 - 2.1 Provide pile density of 5,000 for all medium to high traffic areas.
 - 2.2 Yarn: Use 4 ply solution dyed “66” nylon yarn (Antron Legacy with durastain resistance) (Olefin products shall not be used).
 - 2.3 Pile height maximum of ½”.
 - 2.4 Primary backing: synthetic woven polypropylene - unibond.
 - 2.5 Secondary backing: Synthetic woven polypropylene applied with hot-melt thermoplastic.
 - 2.6 Static resistance: Minimum 3.04V resistance for 20% R.H. at 70° F.

- 2.7 Microbial resistance: Minimum 90% bacterial reduction and maximum 20% fungal growth.
- 2.8 Lifetime warranty for unraveling and zippering.
- 3. The architect shall require product data, trade name or catalog number for carpet and accessories; material specifications including flame spread rating of carpet; adhesives; accessories; and printed installation instructions.
- 4. Carpet Accessories:
 - 4.1 Adhesive: Waterproof, of type that prevents growth of bacteria and fungus, as recommended and approved by carpet manufacturer for compatibility with carpet.
 - 4.2 Seam Cement: Not required on unibond backing. When required use waterproof, latex type recommended by carpet manufacturer.
 - 4.3 Edge Strips: Solid, resilient vinyl; configuration and color to be selected by architect from manufacturer's standard line.
 - 4.4 Carpet Edger Guard: Rubber "straight" wall base color to be selected by architect from manufacturer standard line.
 - 4.5 Floor Patching Compounds: As recommended by carpet manufacturer.
 - 4.6 Request that edge strips be installed where carpeting abuts other flooring including door openings where thresholds are not indicated. Where doors separate carpeted space from uncarpeted space, carpet shall extend under the door when it is in the closed position or to centerline of door.
- 5. Carpet Samples:
 - 5.1 The Architect shall require the successful carpet installer to submit samples of each specified even if the product is exactly the product specified. Each sample shall be minimum 18" x 18" (larger for large scale pattern) with sufficient samples to demonstrate full range of color. Each sample shall be clearly labeled with manufacturer's name, carpet name or series and color.
 - 5.2 The Architect shall require minimum 6" long samples of rubber back in full range of color for selection.

PERFORMANCE STANDARDS

- 1. Carpet Installation
 - 1.1 Install carpet in accord with manufacturer's printed installation instructions.
 - 1.2 Do not proceed with installation of the carpet until the building is enclosed and permanent heating and cooling equipment is installed and functioning.
 - 1.3 Carpet shall be installed continuously under demountable partitions.

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- 1.4 Prior to beginning installation, the architect shall review with and confirm with the installer, edging techniques, lines demarcation between carpeted and are surfaced floor areas, edge treatment at doors and threshold carpet seams.
- 1.5 In general, carpet to be installed by direct glue down method.
2. The Installer
 - 2.1 The Architect shall request evidence of the qualifications of the workers who will be installing carpet.
 - 2.2 Installing workers shall have a minimum of five years experience on this type and size installation and references of two similar installations that have been in use for two year minimum.
 - 2.3 The Architect shall require shop drawings showing layout of seams, including carpet widths and direction edge condition, and conditions where joined or butted to adjacent materials.
 - 2.4 The installer shall be required to provide the following:
 - 2.4.1 Carpet care and cleaning methods including required tools, products and equipment
 - 2.4.2 Provide the following certifications:
 - Certificate of Compliance: Submit carpet manufacturer's signed certificate stating that carpet fully complies with the specifications requirements.
 - Flame Spread Certificate: Submit certification that carpet supplied passes specified Carpet Fire Response Characteristics.
3. Attic Stock – The architect shall require the delivery of additional carpet and base to the University at completion of the project for use in repairs or future changes. Additional materials of each color, type and pattern shall be from the same lot as materials installed.
 - 3.1 Furnish broadloom carpet in full with rolls in the quantity required.
 - 3.2 Furnish carpet tiles and base in original boxes or protective packaging labeled with the color and location(s) installed.
 - 3.3 Provide attic stock equal to 1% up to 5% of the installed area of the project. For small projects the percentage may be higher. Architect to establish final requirement with the University's Project Manager.
4. Warranty Requirements:
 - 4.1 The Architect shall request the following warranties from the manufacturer.
 - 4.1.1 Wear, static protection, backing delamination, edge ravel (zippering), and tuft bind.
 - a) Backing delamination – life time
 - b) Edge ravel and zippering – life time
 - c) Wear
 - d) Static protection

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