

SECTION 09 68 00

CARPETING

PART 1 GENERAL

1.1 DESCRIPTION:

- A. Provide all carpeting and accessories complete, in place, as shown on the drawings, specified herein, and needed for a proper and complete installation.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-In Place Concrete: Concrete slab moisture mitigation

1.3 QUALITY ASSURANCE:

- A. Qualifications of manufacturer: Products used in the work of this section shall be produced by manufacturers regularly engaged in manufacture of similar items and with a history of successful production.
- B. Qualifications of installers: Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this section.
- C. Subcontractor / supplier providing work under this section will install work specified in this section with their company's own installers, employed by the company.
Subcontracting of installation will not be allowed unless approved by Architect prior to bid.

1.4 REFERENCES

- A. ASTM D2859 - Standard Test Method for Flammability of Finished Textile Floor Covering Materials.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- C. CRI 104 - Standard for Installation of Commercial Textile Floor-covering Materials; Carpet and Rug Institute.

1.5 SUBMITTALS:

- A. General: Comply with the provisions of Section 01 33 00.

09 68 00-1

- B. Product data: As soon as possible after award of the Contract, submit:
1. Complete materials list of all items proposed to be furnished and installed under this section.
 2. Manufacturer's specifications and other data required to demonstrate compliance with specified requirements.
 3. Shop drawings showing location of all seams and location and types of all carpet material and accessories.
 4. Samples of the following carpet products and of exposed edge accessories available from the proposed manufacturer within the specified allowance qualities.
 5. Manufacturer's recommended installation procedures.
- C. The manufacturer's recommended installation procedures, will become the basis for inspection and accepting or rejecting actual installation procedures used on the work.
1. Dealers/Installers must follow manufacturer's procedures for installation, using the recommended glues, seam sealers, and floor sealers (if needed).
 2. Seaming diagram must be submitted to Architect for approval. (for broadloom products)
 3. Seam sealers must be used. (for broadloom products)

PART 2 PRODUCTS

2.1 MANUFACTURERS:

CPT 1

1. Manufacturer/Product: Interface, Exposed
2. Product Number: 1383202500
3. Color:
4. Backing: GlasBac®
5. Dye Method: 100% Solution Dyed
6. Yarn System: 100% Recycled Content Nylon
7. Product Construction: Tufted Textured Loop
8. Installation Methods: Non directional.
9. Soil/Stain Protection: Protekt®
10. Standard Size: 19.69" x 19.69" (50 cm x 50 cm)
11. Warranties: Lifetime Fiber Performance for Wear, Lifetime for Tuft Bind Strength (edge ravel, yarn pulls, zippering), Lifetime Protection from Delamination Failure, Lifetime Fiber Performance for Static, Lifetime Dimensional Stability, Lifetime Colorfastness to Light and Atmospheric Contaminants, Lifetime Stain Removal
12. Traffic Classification - Severe

09 68 00-2

13. Testing Specifications - Flooring Radiant Panel: Class 1 (ASTM E 648)
14. Testing Specifications - Smoke Density: Less than 450 flaming (ASTM E 662)
15. Testing Specifications - Static Test: Less than 3 kv (AATCC-134)
16. Testing Specifications – Lightfastness: Less than 4.0 at 60 AFU’S (AATCC-16-E)

2.2 MATERIALS

- A. All materials shall be new.
- B. All carpet shall be of first quality, of American manufacture and permanently mothproofed by manufacturer. Carpet must also have static controlled capabilities.
- C. Colors to be selected from manufacturer's standard range.
- D. All modular carpet to have high performance reinforced vinyl composite closed cell polymer backing as a minimum requirement. Modular secondary backing for the useful life of the original installation against product failure from:
 1. Tuft Bind (edge ravel, yarn pulls, zippering)
 2. Delamination
 3. Moisture Penetration
 4. Dimensional Stability
- E. Edge Trim: Provide anodized metal edge and transition strips manufactured by Powerhold or approved alternate. “LVT160, LVT425, 406, 404, 405, 407” where carpet transitions to concrete or resin epoxy flooring. NOTE: Product number to be selected for specific thickness of flooring specified.
- F. Special Edge Trim: Carpeted Riser Nosing: Powerhold or Schluter anodized aluminum or approved alternate. Style as selected by Architect.

2.3. ADHESIVES:

- A. Broadloom Carpet: Waterproof cement as recommended by carpet manufacturer and equal in quality to Southland #400, P.O. Box 19410, Louisville, Ky. 40259, (502) 969-6366. Seaming adhesive around perimeter and along seams, Southland Contact Cement.
- B. Modular Carpet: Provide self adhering or manufacturer-approved adhesive, recommended by carpet manufacturer, compatible with carpet specified and provided, for releasable installation.
- C. Provide letter with carpet submittal, stating that adhesive for each type of carpet provided is approved by manufacturer for substrate in which it is applied.

PART 3 EXECUTION

3.1 INSPECTION:

- A. Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to the proper and timely completion of the work. Do not proceed until satisfactory conditions have been achieved.
- B. Calcium Chloride Moisture and ph Testing is required to be performed to the floor prior to carpet installation. Perform test following industry standards.
 - 1. Maximum acceptable moisture emission rate for concrete sub floors (unless carpet manufacturer requires more stringent rate):
 - a. Carpet – 3 lbs/1,000 sq. ft. per 24 hours or lessDo not proceed until satisfactory conditions have been achieved.

3.2 SURFACE PREPARATION:

- A. Cleaning: Immediately prior to installation of the work of this section, thoroughly clean all substrate and remove all wax, oil, grease, paint, varnish hardeners, and other items which would adversely affect the bond of the adhesive.
- B. Slabs must be thoroughly cured, and free of curing agents, hydrostatic pressure, excessive alkali as determined by manufacturer, and moisture.
- C. Smoothing: Make all substrate level and free from irregularities. Assure one constant floor height after carpet is installed, grinding high spots and filling in low spots as required.
- D. For areas where carpet is to be installed outdoors, surface must be kept dry for at least 96 hours prior to installation.

3.3 PRODUCT HANDLING:

- A. Protection: Use all means necessary to protect the materials of this section before, during and after installation and to protect the work and materials of all other trades.
- B. Replacement: In the event of damage, immediately make all repairs and replacements needed at no additional cost to the Owner.

3.4 INSTALLATION:

- A. General:
 - 1. Install carpeting and accessories in strict accordance with the manufacturer's recommendations. Non directional

B. Seams:

1. Locate seams to the maximum practicable out of traffic.
2. Unless noted otherwise, locate carpet seams between rooms under bottom end of door where butting carpet of alike or different types, pattern, or color.
3. Fabricate seams by the compression method, using a butt joint, and properly bed and seal all carpet edges and seams. Do not stretch seams. Provide seam adhesive at all seams at least 6" wide.
4. Apply carpet adhesive as recommended by carpet manufacturer for the specified backing type. Lay carpet into adhesive as soon as possible and remove any trapped air bubbles. Do not use heavy roller. Use 35# to 70# linoleum roller. Be sure to roll width wise. Apply succeeding widths with firmly butted side joints to eliminate visible seams. Cross seams shall be held to absolute minimum. Apply Rubber Seam Adhesive to seams before they are butted together.

C. Cleaning up: In addition to the requirements of Section 01 77 00, thoroughly clean all carpet surfaces prior to final acceptance of the carpeted areas by the Owner.

3.5 PROTECTION:

- A. Provide a heavy non-staining paper or plastic walkway as required over carpeting in direction of foot traffic, maintaining intact until carpeted space is accepted by the Owner.

3.6 ATTIC STOCK:

- A. Provide an additional 12 square yards of each type and color of carpet for attic stock.
- B. Provide one additional box of carpet tile of each color and type for attic stock.

END OF SECTION

09 68 00-5