

## SECTION 09680

## CARPET

1 PART 1 - GENERAL

## 1.1 SUMMARY

- A. Section includes carpet direct-glued.

## 1.2 SUBMITTALS

- A. Shop Drawings: Indicate seaming plan, method of joining seams, direction of carpet pile and pattern, location of edge moldings and edge bindings.
- B. Samples: Submit two samples illustrating color and pattern for each carpet material specified.

## 1.3 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: Submit maintenance and cleaning instructions.

## 1.4 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience, and with service facilities within 100 miles of Project.

## 1.5 ENVIRONMENTAL REQUIREMENTS

- A. Store materials in area of installation of 48 hours prior to installation.
- B. Maintain minimum 70 degrees F (21 degrees C) ambient temperature 3 days prior to, during and 24 hours after installation.
- C. Ventilate installation area during installation and for 3 days after installation.

## 1.6 WARRANTY

- A. Provide ten year manufacturer warranty for carpet integrity, wear, and colorfastness.

## 1.7 EXTRA MATERIALS

- A. Provide 5% of carpeting of each type, color, and pattern specified.

2 PART 2 - PRODUCTS

## 2.1 CARPET

- A. Manufacturers:
  - 1. Bigelow Commercial

2. J&J Industries.
3. Lees Carpet
4. Milliken Carpet
5. Mohawk Commercial Carpet
6. Milliken Carpet
7. Shaw Industries

## 2.2 COMPONENTS

A. Carpet Type A: Tufted textured loop, 100% continuous filament nylon with antimicrobial processing, permanent static control. For use in general office areas.

1. Roll Width: 12 ft
2. Color: as selected
3. Pattern: as selected
4. Dye Method: 100% Solution dyed.
5. Gauge: Minimum 1/10.
6. Stitches per inch: Minimum 10.
7. Face Weight: Minimum 28 oz.
8. Pile Height: 0.144" or greater.
9. Primary Backing: 100% Polypropylene.
10. Secondary Backing: Unitary backing with 20 lb. tuft lock.
11. Electrostatic Propensity: <3.5 kV
12. Flame/Smoke Rating: <25/<450 in accordance with ASTM E84.
13. Critical Radiant Flux: Conform to NFPA 253 ASTM E648, 0.45 watts/sq cm.
14. Surface Flammability Ignition: Conform to ASTM D2859.

B. Product: Subject to compliance with requirements, provide Shaw/Stratton "Scholar Uni".

## 2.3 ACCESSORIES

A. Sub-Floor Filler: Cementitious type recommended by flooring material manufacturer.

B. Moldings and Edge Strips: Vinyl color as selected.

C. Seam Adhesive: Recommended by manufacturer.

D. Contact Adhesive: Recommended by carpet manufacturer, releasable type

## 3 PART 3 - EXECUTION

### 3.1 EXAMINATION

A. Verify that floor surfaces are smooth and flat within tolerances specified in Section 03000 and are ready to receive work.

B. Verify that concrete floors for glue-down installation are ready for carpet installation by testing for moisture emission rate and alkalinity. Obtain instructions if test results are not within specified limits.

C. By starting installation of carpet, installer assumes all responsibility for substrate conditions.

### 3.2 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler.
- B. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- C. Vacuum clean substrate.

### 3.3 INSTALLATION

- A. Install carpet in accordance with Carpet and Rug Institute CRI 104 - Standard for Installation of Commercial Textile Floorcovering Materials.
- B. Verify carpet match before cutting to ensure minimal variation between dye lots.
- C. Lay out carpet and locate seams in accordance with shop drawings:
  - 1. Locate seams in area of least traffic, out of areas of pivoting traffic, and parallel to main traffic.
  - 2. Do not locate seams perpendicular through door openings.
  - 3. Align run of pile in same direction as anticipated traffic and in same direction on adjacent pieces.
  - 4. Locate change of color or pattern between rooms under door centerline.
  - 5. Provide monolithic color, pattern, and texture match within any one area.
- D. Install carpet by direct glue-down method.
- E. Complete installation of edge strips, concealing exposed edges. Bind cut edges where not concealed by edge strips.
- F. Cleaning:
  - 1. Remove excess adhesive from floor, base, and wall surfaces without damage.
  - 2. Clean and vacuum carpet surfaces.

...END OF SECTION