

Montgomery County Public Schools Facilities Guide

DIVISION 9 – FINISHES

SECTION 09680

CARPETING

PART 1 GENERAL

1.01 GUIDE INCLUDES

- A. Carpeting

THE FOLLOWING LOCATIONS SHALL BE CONSIDERED FOR CARPETING:
ADMINISTRATIVE SUITE – OFFICES AND CONFERENCE ONLY
GUIDANCE SUITE – OFFICES AND CONFERENCE ONLY
MEDIA CENTER READING ROOM AND OFFICE ONLY
FOR KINDERGARTEN ROOMS USE AREA RUGS ASSEMBLED OF CARPET TILES AND ADHESIVE DOTS

1.02 SUBMITTALS

- A. Submit 18 inch x 27 inch sample of each carpet to be used. Number of colors per bid or project will be a maximum of 4 as selected from the manufacturer's standard colors.
- B. Submit for review two (2) copies of carpet manufacturer's data and mastic material safety data. One copy shall be submitted to MCPS Division of Construction and one copy to MCPS Division of Safety and Environmental Health Unit.
- C. Submit manufacturer's certification that carpet, cushion and adhesives meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
- D. Submit location of manufacture and extraction/ recovery of primary raw materials.
- E. Submit recycled-content information, designating percentages of post-consumer and pre-consumer recycled materials.
- F. Warranty
 - 1. Lifetime static, edge ravel. 10 year minimum 20 lb. tuft bind, run resistance, and colorfast.

PART 2 PRODUCTS

2.01 CARPET, GENERAL

- A. Carpet and cushion shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
- B. Use only carpets without styrene butadiene rubber (SBR) backing.
- C. Give preference to recycled content materials.

2.02 MANUFACTURERS (SUBJECT TO COMPLIANCE WITH REQUIREMENTS, GIVE PREFERENCE TO PRODUCTS MANUFACTURED AND OF PRIMARY RAW MATERIALS HARVESTED/EXTRACTED/RECOVERED WITHIN A 500-MILE RADIUS OF PROJECT SITE):

- A. Carpet:
 - 1. Mirada IV by Blueridge Carpet Mills.
 - a. Tufted Step-Over stitch min.: 3/4 inch

- b. Static Propensity: under 2.0 KV
- c. Yarn: 100 percent solution dyed Zeftron 2000 nylon with built-in anti microbial and permanent static control.
- d. Powerlock backing
- e. Yarn Weight: 28 oz. per sq. yd.
- f. Dye Method: Solution dyed
- g. Machine Gauge: 1/8 inch
- h. Stitches per Inch: 8-4ply
- i. Finished pile height: 0.140
- j. Tuft Bind: min. 20 lb
- k. Density: 7000 min. (Based on finish pile height)
- l. Total Weight: 64 oz. per sq. yd.
- m. Flammability: Radiant Flux greater than 0.45 watts per sq. cm (ASTM test) and maximum specified optical density of 450 or less (NFPA test)

2. Custom Gabardine 28oz. by Dimension Carpet:

- a. Tufted Loop Pile Graphics (step over stitch)
- b. Static Propensity: Under 2.0 KV
- c. Yarn: 100% BASF Zeftron Zx2000 2x2000 nylon
- d. Woven polypropylene primary backing and woven synthetic secondary backing
- e. Yarn Weight: 28 oz. per sq. yd.
- f. Dye Method: Solution Dyed
- g. Machine gauge: 1/10"
- h. Stitches per inch: 9
- i. Finish pile height: .140
- j. Tuft Bind: minimum 20 lbs.
- k. Density: 7000 min. (Based on finished pile height)
- l. Total Weight: 62 oz. per sq. yd.
- m. Flammability: Equal to Mirada IV

3. Performer 28 lb Plus by Mohawk Commercial Carpet:

- a. Tufted Multi Textural Loop step over stitch 3/4"
- b. Static Propensity: Under 2.0 kv
- c. Yarn: 100% Antro Lumena nylon with static control and stain repellent
- d. Unitary/100% synthetic backing
- e. Yarn Weight: 28 oz. per sq. yd.
- f. Dye Method: Solution dyed
- g. Machine gauge: 1/8:
- h. Stitches (rows) per inch: 11
- i. Finished pile height: .142
- j. Tuft bind: 20 lbs minimum
- k. Density: 7000 minimum
- l. Total weight: 72 oz. per sq. yd.
- m. Flammability: Equal to Mirada IV

B. Adhesives:

- 1. Water resistant, non staining high tack, latex types, complying with flammability requirements, freeze-thaw stable, mildew proof, odorless when dry, non-toxic. Adhesive shall be as recommended by the Carpet manufacturer and approved by Architect and Owner's Safety & Environmental Health Unit.
 - a. Adhesives shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda, or 50 g/L VOC content maximum if alternatives tested to the CA protocol are not available
- 2. Manufacturers (subject to compliance with above criteria)
 - a. Envirotec Health Guard Adhesives - Touchdown.
 - b. Parabond Adhesives, Cements - Solv-free M4096.
 - c. Chicago Adhesives Products Co. - Chapco Safe Set.

C. Accessories:

1. Coved rubber base
2. Extruded or molded heavy duty rubber edge guard
3. Seaming cement shall be hot-melt adhesive as recommended by the carpet manufacturer, and shall meet the testing and product requirements of the California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda, or 50 g/L VOC content maximum if alternatives tested to the CA protocol are not available

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for moisture content and other conditions under which carpeting is to be installed. Installation of carpet shall not proceed until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. In renovations, remove existing materials as necessary to receive carpet. Repair minor cracks, holes, depressions and rough areas using latex type materials as recommended by carpet and adhesive manufacturers.
- B. Clear away debris and scrape up cementitious deposits from surfaces to receive carpeting. Apply sealer as necessary to prevent dusting.
- C. Maximum surface variation of 1/4 inch in 10 feet, non-cumulative.

3.03 INSTALLATION

- A. Comply with manufacturer's recommendations for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. DO NOT bridge building expansion joints with carpet.
- B. Center seams at doorway under door when closed, avoid perpendicular seams at doorways.
- C. Apply adhesive in accordance with manufacturer recommendations.
- D. Seal seams and cut edges with seaming cement at backing to form secure seams and prevent pile loss at seams.
- E. If possible, carpet shall be installed one month prior to student occupancy to permit dissipation of carpet chemical odors.
- F. Provide final protection and maintain to ensure carpet is not damaged or deteriorated at time of Substantial Completion.
- G. Install carpet in manner consistent with Division 1 Indoor Air Quality Management Requirements.

3.04 WASTE MANAGEMENT

- A. Recycle waste carpet materials in accordance with Section 01524, Construction Waste Management requirements.

END OF SECTION