SECTION 09 68 21
ATHLETIC CARPETING

SPEC WRITER NOTE: Delete between // _____
// if not applicable to project. Also
delete any other item or paragraph not
applicable in the section and renumber the
paragraphs. Areas that have this floor are
VAMC MULTI-PURPOSE and PHYSICAL THERAPY
(ACTIVITY) rooms.

PART 1 - GENERAL

1.1 DESCRIPTION:
This section specifies carpet like soft surface flooring, and
constructed monolithically to provide good traction designed to cushion
accidental falls.

1.2 RELATED WORK:
A. Color and texture of flooring and edge strips: Section 09 06 00,
   SCHEDULE FOR FINISHES.
B. Wall Base: Section 09 65 13, RESILIENT BASE AND ACCESSORIES.

1.3 QUALITY ASSURANCE:
Installed flooring by using skilled craftsmen trained and approved by
the manufacturer.

1.4 SUBMITTALS:
A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA,
   AND SAMPLES.
B. Samples:
   1. Flooring, 300 mm (12 inches) square, each color and texture.
   2. Plastic edge strip, 150 mm (6 inches) long, each color.
C. Manufacturer's Certificates:
   1. Certificates stating flame spread and smoke development rating of the
      flooring.
   2. Certificate approving type of adhesive, leveling compound and seam
      sealers.
D. Manufacturer's Literature and Data: Maintenance and cleaning manual.
E. Shop Drawings: Layout plan showing seams and cuts.

SPEC WRITER NOTE: Update Applicable
Publications to correct issue at time of
project specification preparation.

1.5 APPLICABLE PUBLICATIONS:
A. The publications listed below form a part of this specification to the
   extent referenced. The publications are referenced in the text by basic
designation only.
B. American Society for Testing and Materials (ASTM):
   E84-10 ............... Surface Burning Characteristics of Building Materials
   E648-10 ............... Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
   E662-09 ............... Special Optical Density of Smoke Generated by Solid Materials

C. American Association of Textile Chemists and Colorists (AATCC):
   134-11 ............... Electrostatic Propensity of Carpets

**PART 2 - PRODUCTS**

SPEC WRITER NOTE: Make material requirements agree with applicable requirements specified in the referenced Applicable Publications. Update and specify only that which applies to the project.

**2.1 SOFT SURFACE FLOORING:**

A. Flooring shall have following characteristics:

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Surface Fiber Content</strong></td>
<td>100 percent continuous filament soil-hiding nylon with static control.</td>
</tr>
<tr>
<td><strong>Surface Fiber Height</strong></td>
<td>3 mm (0.128 inch).</td>
</tr>
<tr>
<td><strong>Surface Weight Per Square Foot</strong></td>
<td>2.44 ounces</td>
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<tr>
<td><strong>Interliner</strong></td>
<td>120 g per m$^2$ (0.39 ounce per square foot) olefin.</td>
</tr>
<tr>
<td><strong>Fusion Coat</strong></td>
<td>900 g per m$^2$ (2.89 ounces per square foot).</td>
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<tr>
<td><strong>Vinyl Back Plate: 80s</strong></td>
<td>Compression set maximum 5 percent.</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1800 mm (6 feet).</td>
</tr>
<tr>
<td><strong>Total Weight Per m$^2$ (Square Foot)</strong></td>
<td>3000 g (9.44 oz).</td>
</tr>
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B. Flame spread rating of not greater than 75 when tested under ASTM E84 method and have a critical radiant flux value of not less than 0.45 watts per square centimeter when tested under ASTM E648 method.

C. Smoke development rating of not greater than 200 when tested under ASTM E662 method.

D. Not build up a static level exceeding 3.0 KV when tested under AATCC 134 method.

**2.2 ADHESIVE, SEAM SEALERS AND SEAM CLEANERS:**

Types recommended by flooring manufacturer.
2.3 EDGE STRIPS

Resilient butt type, with integral 38 mm (1-1/2 inch) wide base and 6 mm (1/4 inch) lip. Top surface to finish flush with flooring and lip beveled.

PART 3 - EXECUTION

SPEC WRITER NOTE: Edit to suit material of subfloor.

3.1 SURFACE PREPARATION:

A. Subfloor shall be level and smooth. Level subfloor with approved leveling compound.

//B. Concrete slabs shall be cured, and dry (not less than 60 days). //

//C. Curing compounds, hardeners or sealers shall not be used on the slab. If a curing compound, hardener or sealer has been used, all residue must be removed prior to installation of flooring. //

D. Flooring over existing surface such as wood or resilient tile: install in accordance with manufacturer's printed installation instructions.

3.2 FLOORING INSTALLATION

A. Secure flooring to subfloor using adhesive applied as recommended by manufacturer. Follow manufacturer's recommendations for matching pattern and texture directions.

B. Cut openings in flooring where required for installing equipment, pipes, outlets, and the like. Bind cut edges and replace flanges or plates. Use additional adhesive to anchor flooring around pipes and other vertical projections.

C. Lay flooring lengthwise in longest dimension of space, and with minimum seaming area, uniformly to provide a tight smooth finish. Flooring shall be free from movement when subjected to traffic.

D. Seaming: Use a special adhesive system that permanently welds the seams together. Adhesive shall be permanently resistant to cleaning solutions. Seams shall not be visible after flooring is installed.

3.3 EDGE STRIP INSTALLATION:

A. Install edge strips over exposed edges of flooring.

B. Anchor strips to floor with suitable fasteners.

C. Apply adhesive to edge strips, insert flooring into lip and press lip down over flooring.

3.4 PROTECTION AND CLEANING:

A. Remove waste, strips, fasteners and other cuttings from flooring. Vacuum flooring and provide suitable protection. Unnecessary traffic will not be permitted on unprotected soft surface flooring.
B. Just before final acceptance of work, remove protection and vacuum clean soft surface flooring.

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