

**SECTION 09 6500**  
**RESILIENT FLOORING**

**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Resilient sheet flooring.
- B. Resilient base.
- C. Resilient stair accessories.

**1.02 RELATED REQUIREMENTS**

- A. Section 03 3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.

**1.03 REFERENCE STANDARDS**

- A. ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2008b.
- B. ASTM F 1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; 2004.
- C. ASTM F 1861 - Standard Specification for Resilient Wall Base; 2008.
- D. ASTM F 1913 - Standard Specification for Vinyl Sheet Floor Covering Without Backing; 2004.
- E. FS RR-T-650 - Treads, Metallic and Nonmetallic, Skid Resistant; Federal Specifications and Standards; Revision E, 1994.
- F. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; National Fire Protection Association; 2006.

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.
- D. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Protect roll materials from damage by storing on end.

**PART 2 PRODUCTS****2.01 SHEET FLOORING**

- A. Vinyl Sheet Flooring Type \_\_\_\_: Homogeneous without backing, with color and pattern throughout full thickness, and:
  - 1. Minimum Requirements: Comply with ASTM F 1303, Type II, without backing, or ASTM F 1913.
  - 2. Total Thickness and Wear Layer Thickness: 0.080 inch (2.0 mm) nominal.
  - 3. Pattern: Solid color.
- B. Vinyl Welding Rod: Solid vinyl bead produced by manufacturer of vinyl flooring for heat welding seams, in color matching field color.

**2.02 STAIR COVERING**

- A. Stair Treads: Rubber; full width and depth of stair tread in one piece; tapered thickness; nosing not less than 1-5/8 inch (41 mm) deep.
  - 1. Minimum Requirements: Comply with FS RR-T-650 requirements corresponding to type specified.

**SECTION 09 6500**  
**RESILIENT FLOORING**

**PART 1 GENERAL****1.1 SECTION INCLUDES**

- 1.1.1 Resilient sheet flooring.
- 1.1.2 Resilient base.
- 1.1.3 Resilient stair accessories.

**1.2 RELATED REQUIREMENTS**

- 1.2.1 Section 03 3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.

**1.3 REFERENCE STANDARDS**

- 1.3.1 ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2008b.
- 1.3.2 ASTM F 1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; 2004.
- 1.3.3 ASTM F 1861 - Standard Specification for Resilient Wall Base; 2008.
- 1.3.4 ASTM F 1913 - Standard Specification for Vinyl Sheet Floor Covering Without Backing; 2004.
- 1.3.5 FS RR-T-650 - Treads, Metallic and Nonmetallic, Skid Resistant; Federal Specifications and Standards; Revision E, 1994.
- 1.3.6 NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; National Fire Protection Association; 2006.

**1.4 SUBMITTALS**

- 1.4.1 See Section 01 3000 - Administrative Requirements, for submittal procedures.
- 1.4.2 Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- 1.4.3 Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.
- 1.4.4 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

**1.5 DELIVERY, STORAGE, AND HANDLING**

- 1.5.1 Protect roll materials from damage by storing on end.

**PART 2 PRODUCTS****2.1 SHEET FLOORING**

- 2.1.1 Vinyl Sheet Flooring Type \_\_\_\_: Homogeneous without backing, with color and pattern throughout full thickness, and:
  - a. Minimum Requirements: Comply with ASTM F 1303, Type II, without backing, or ASTM F 1913.
  - b. Total Thickness and Wear Layer Thickness: 0.080 inch (2.0 mm) nominal.
  - c. Pattern: Solid color.
- 2.1.2 Vinyl Welding Rod: Solid vinyl bead produced by manufacturer of vinyl flooring for heat welding seams, in color matching field color.

**2.2 STAIR COVERING**

- 2.2.1 Stair Treads: Rubber; full width and depth of stair tread in one piece; tapered thickness; nosing not less than 1-5/8 inch (41 mm) deep.
  - a. Minimum Requirements: Comply with FS RR-T-650 requirements corresponding to type specified.

**SECTION 09 6500****RESILIENT FLOORING****PART 1 GENERAL****SECTION INCLUDES**

- Resilient sheet flooring.
- Resilient base.
- Resilient stair accessories.

**RELATED REQUIREMENTS**

Section 03 3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.

**REFERENCE STANDARDS**

- ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2008b.
- ASTM F 1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; 2004.
- ASTM F 1861 - Standard Specification for Resilient Wall Base; 2008.
- ASTM F 1913 - Standard Specification for Vinyl Sheet Floor Covering Without Backing; 2004.
- FS RR-T-650 - Treads, Metallic and Nonmetallic, Skid Resistant; Federal Specifications and Standards; Revision E, 1994.
- NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; National Fire Protection Association; 2006.

**SUBMITTALS**

- See Section 01 3000 - Administrative Requirements, for submittal procedures.
- Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.
- Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

**DELIVERY, STORAGE, AND HANDLING**

- Protect roll materials from damage by storing on end.

**PART 2 PRODUCTS****SHEET FLOORING**

- Vinyl Sheet Flooring Type \_\_\_\_: Homogeneous without backing, with color and pattern throughout full thickness, and:
  - Minimum Requirements: Comply with ASTM F 1303, Type II, without backing, or ASTM F 1913.
  - Total Thickness and Wear Layer Thickness: 0.080 inch (2.0 mm) nominal.
  - Pattern: Solid color.
- Vinyl Welding Rod: Solid vinyl bead produced by manufacturer of vinyl flooring for heat welding seams, in color matching field color.

**STAIR COVERING**

- Stair Treads: Rubber; full width and depth of stair tread in one piece; tapered thickness; nosing not less than 1-5/8 inch (41 mm) deep.
  - Minimum Requirements: Comply with FS RR-T-650 requirements corresponding to type specified.

**DIVISION 09 - FINISHES****SECTION 09 2116 - GYPSUM BOARD ASSEMBLIES****METAL FRAMING MATERIALS**

Non-Loadbearing Framing System Components: ASTM C 645; galvanized sheet steel, of size and properties necessary to comply with ASTM C 754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf (240 Pa).

**BOARD MATERIALS**

Exterior Sheathing Board: Sizes to minimize joints in place; ends square cut.  
Application: Exterior sheathing, unless otherwise indicated.

**ACCESSORIES**

Acoustic Insulation: As specified in Section 07 2100.

Joint Materials: ASTM C 475 and as recommended by gypsum board manufacturer for project conditions.

**SECTION 09 3000 - TILING****TILE**

Manufacturers: All products by the same manufacturer.

Ceramic Mosaic Tile: ANSI A137.1 , and as follows:

Size and Shape: 2 inch square (50 mm square).

Surface Finish: Unglazed.

Glazed Wall Tile: ANSI A137.1 , and as follows:

Size and Shape: 4-1/4 inch (108 mm) square.

Surface Finish: High gloss.

**MORTAR MATERIALS**

Mortar Bond Coat Materials:

Dry-Set Portland Cement type: ANSI A118.1.

Latex-Portland Cement type: ANSI A118.4.

**GROUT MATERIALS**

Grout: Polymer modified cement grout, sanded or unsanded, as specified in ANSI A118.7.

**ACCESSORY MATERIALS****SECTION 09 5100 - ACOUSTICAL CEILINGS****ACOUSTICAL UNITS**

Acoustical Units - General: ASTM E 1264, Class A.

Units for Installation in Fire-Rated Suspension System: Listed and classified for the fire-resistive assembly the suspension system is a part of.

Acoustical Panels: Painted mineral fiber, ASTM E 1264 Type III, with the following characteristics:

Size: 24 x 24 inches (600 x 600 mm).

Thickness: 5/8 inches (15 mm).

Composition: Wet felted.

Surface Pattern: Non-directional fissured.

Suspension System: Exposed grid.

**SUSPENSION SYSTEM(S)**

Suspension Systems - General: ASTM C 635; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and hold down clips as required.

Fire-Rated Exposed Suspension System: Formed steel, commercial quality cold rolled; intermediate-duty.

Profile: Tee; 15/16 inch (24 mm) wide face.

Construction: Double web.

Fire Rating: Listed and classified for use in a 1 hour fire-resistive assembly; UL Design Number G201.

## **SECTION 09 6500 - RESILIENT FLOORING**

### **TILE FLOORING**

Vinyl Composition Tile: Homogeneous, with color extending throughout thickness, and:  
Minimum Requirements: Comply with ASTM F 1066, of Class corresponding to type specified.

Size: 12 x 12 inch (305 x 305 mm).

Thickness: 0.125 inch (3.2 mm).

Pattern: Marbleized.

### **STAIR COVERING**

Stair Treads: Rubber; full width and depth of stair tread in one piece; tapered thickness; nosing not less than 1-5/8 inch (41 mm) deep.

Minimum Requirements: Comply with FS RR-T-650 requirements corresponding to type specified.

Nominal Thickness: 0.1875 inch (4.75 mm).

Nosing: Square.

Style: Contrasting color abrasive grit strips full width.

Color: Marbleized.

### **RESILIENT BASE**

Resilient Base: ASTM F 1861, Type TS rubber, vulcanized thermoset; top set Style A, Straight, and as follows:

Height: 4 inch (100 mm).

Thickness: 0.125 inch (3.2 mm) thick.

Finish: Satin.

Color: Solid color.

## **SECTION 09 6800 - CARPETING**

### **CARPET**

Carpet Type 1: Tufted, nylon, conforming to the following criteria:

Color: Refer to Finish Schedule.

Pattern: "New Stratford," Bentley Mills, Inc.

Primary Backing: Polypropylene.

Secondary Backing: Woven polypropylene.

Total Weight: 59 oz/sq yd (\_\_\_\_ g/sq m).

## **SECTION 09 7200 - WALL COVERINGS**

### **MATERIALS**

Wall Covering : Vinyl coated fabric roll stock, conforming to the following:

Total Weight: 20 oz/sq yd (\_\_\_\_ g/sq m).

Color: As scheduled.

Adhesive: Type recommended by wall covering manufacturer to suit application to substrate.