

## SPECIFICATIONS

### 8.0 mm (5/16") HIGH PRESSURE LAMINATE COMMERCIAL FLOORING

#### Section 09626 DECORATIVE LAMINATE FLOORING

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. SECTION INCLUDES:
  - 1. High pressure laminate (HPL) commercial floating flooring.
  - 2. Accessories.
  - 3. Vapor barrier and sound deadening materials.
- B. Related Sections
  - 1. Wood subflooring. Section 06 10 00.
  - 2. Concrete subflooring. Section 03 30 00.
  - 3. Submittals. Section 01 30 23.

##### 1.2 SYSTEM DESCRIPTION

- A. High pressure decorative laminate commercial floating floor system consisting of 0.7 mm thick high pressure laminate surface bonded to a 6.3 mm (1/4" nominal) thick moisture resistant high density fiberboard core and a balancing 0.7 mm thick phenolic high pressure laminate backer. System uses a 190 mm (7 7/16" nominal) wide plank tongue and groove panel with Parqcolor® adhesive in the grooves.
- B. The importance of assessing each installation situation and understanding potential problems associated with the buildup and movement of humidity or moisture within the building and from the subfloor must be understood. Laminate flooring systems are subject to expansion and contraction with environment and humidity changes.
- C. A vapor barrier is required over all concrete and cement bonded stone subfloors including ceramic tile.

##### 1.3 SUBMITTALS:

- A. Comply with Section 01330, unless otherwise indicated.
- B. Product Data:
  - 1. Product technical data and specifications.
  - 2. Manufacturer's installation instructions including recommendations for handling and storage.
  - 3. Shop drawings showing installation details and location and layout of each type of flooring and accessories.
  - 4. Maintenance instructions for flooring system to comply with Section 01 78 00.
- C. Samples
  - 1. Samples for initial selection for each type of flooring indicated.
  - 2. Samples for verification. Partial size units of each color and pattern of flooring required.
- D. Product Schedule. For flooring.
- E. Environmental Information
  - 1. LCA Life Cycle Assessment for Decorative High Pressure Laminate HPL and its Elements
  - 2. ASTM E 1333 Formaldehyde Release Data

##### 1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Firm experienced in installation or application of systems similar in complexity to those required for this product, including training and experience in installing glued laminate flooring.
- B. Source: Obtain products from a single source.
- C. Mockups. Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
- D. Assemblies should conform to all applicable codes.

E. Fire Test Response Characteristics. As determined by testing product according to ASTM E – 648.

1. Critical Radiant Flux Classification: Class 1, not less than 0.45 W/sq. in.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the project site in unopened package.

B. Store materials in original, undamaged package in a clean, dry area out of direct sunlight and exposure to the elements. A room temperature between 60 degrees F and 80 degrees F should be maintained, but not less than 50 degrees F or more than 90 degrees F.

C. Materials must be stored flat and the edges protected.

#### 1.5 PROJECT CONDITIONS

A. Maintain relative humidity planned for building occupants and an ambient temperature between 65 degrees and 75 degrees F and relative humidity between 40 % and 60 % in spaces to receive the panels for at least 48 hours prior to installation in order for the materials to acclimate. Maintain conditions during installation and for 72 hours after installation. After installation maintain relative humidity and ambient temperature planned for building occupants.

B. Do not walk on flooring during installation and for 24 hours after flooring installation.

C. Install laminate flooring after other finishing operations are completed, including painting.

D. Do not install or use this product where humidity is routinely less than 25% or greater than 70% or temperature is less than 55 degrees F or greater than 95 degrees F.

#### 1.6 EXTRA MATERIALS

A. Furnish extra materials that match products installed and are packaged with protective covering for storage and identified with labels describing contents.

1. Furnish one box for every 40 boxes or fraction thereof, of each type, color, and pattern of flooring installed.

2. Trim: Minimum of 8 feet (95") in length for laminate wrap trim and minimum of 12 feet for other trim.

#### 1.7 WARRANTY

A. Manufacturer warrants high pressure laminate flooring for 10 years in general traffic commercial installations from the date of purchase against staining, fade, and wear in accordance with manufacturers technical data.

## PART 2 PRODUCTS

### 2.1 Manufacturer

A. PL Parqcolor® High Pressure Laminate Flooring by ABET Inc., 60 West Sheffield Ave., Engelwood, NJ 07631 Tel: 800-228-2238; Fax: 201-541-0701

### 2.2 Materials

A. Composite flooring panel having a 0.7 mm thick high pressure laminate surface bonded with a thermosetting adhesive to a 6.3 mm (1/4" nominal) moisture resistance high density fiberboard core and a 0.7 mm balancing high pressure backer. Panels to be supplied with tongue and groove edges. \*\*

1. Panels: As specified below.

2. Panel Thickness: 8 mm +- 0.3mm (5/16" nominal)\*\*

3. Panel Size: 190 mm x 1200 mm (7 7/16" x 47 3/16 nominal)\*\*

4. Packaged: 9 planks per box or 1.82 square meters (19.63 square feet)\*\*

5. Weight: 1.7 lb/sq. ft.\*\*

\*\* The Vintage Series panel thickness is 11 mm, panel size is 190 mm x 1800 mm (7 7/16" x 71 "), and the box of eight (2.05 sq. meters) weighs 22.06 lbs.

B. Performance Requirements:

1. The high pressure laminate flooring panel shall meet all the requirements of European Standard Commercial Class 4.

a. EN 13329 Annex E, Abrasion Resistance: greater than 4000 cycles

b. EN 13329 Annex G, Thickness Swell: less than 18 %



- D. Remove wood floors on concrete subfloor prior to installation.
- E. Remove carpeting on subfloor prior to installation.

### **3.3 Inspection**

- A. All laminate surfaces shall be inspected prior to installation to ensure they are sound, clean, and free of surface defects. Discard any defective floor planks.

### **3.4 Floating Floor System Installation**

- A. Comply with manufacturer's written instructions for installing floating floor system.
- B. Prepare subflooring as covered earlier.
- C. Install continuous vapor barrier and sound absorbent pad over substrate according to manufacturer's instructions. The polyethylene vapor barrier must be joined using double sided tape, completing a seamless vapor barrier to the Parqcolor® flooring. Do not overlap and tape seams between each row of padding with 2 inch polyethylene tape.
- D. Mix floor planks from several cartons to ensure uniform distribution of shade.
- E. Install flooring plans parallel to the long direction of the room. Verify flooring plank direction with architect before starting.
- F. Lay floor planks in pattern as indicated.
- G. Tightly interlock and adhere plank edges with adhesive as instructed. During installation, laminate floor straps shall be used for proper joining. Remove excessive adhesive from top surface of planks according to manufacturer's instruction.
- H. Stagger end joint locations at least 6 inches.
- I. Use spacers to keep planks from shifting as subsequent rows are added. Remove spacers after installing floating floor system.
- J. Maintain expansion space at walls and other obstructions and terminations of flooring of not less than 5/16 inch unless otherwise indicated on drawings.
- K. Install vapor barrier at room perimeter as indicated on the drawings.
- L. Extend floor planks into toe spaces, door reveals, closets, and similar openings. Extend floor planks to center of door openings.
- M. Install accessories as indicated or required, following manufacturer's instructions.
- N. Seal flooring penetrations and perimeters at wet areas with silicone sealant.
- O. Maintain reference markers, holes and openings that are in place or marked for future cutting by repeating on floor planks as marked on substrates. Use chalk or other nonpermanent, non staining marking device.

### **3.5 Cleaning and Protection**

- A. Clean flooring and trim according to manufacturer's recommendations.
- B. Protect installed flooring from marks, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- C. Cover flooring until substantial completion.
- D. Maintain flooring according to manufacturer's maintenance and cleaning guidelines.

**March 11, 2006**