

Our L'argent Bruille Studio sprung dance floor is a rehearsal-classroom design for classical ballet, modern, jazz, contemporary dancing, gymnastics and aerobics. It can be installed on sleepers or directly on sealed concrete in dance studios or classrooms. Our design allows for the floor to be easily removed or relocated. The rubber pads located under the floor absorb kinetic energy normally associated with the study of dance.

SECTION 09660 SPECIALTIES
SPRUNG DANCE FLOOR SYSTEM – DANCE STUDIOS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Divisions 1, General Requirements, are included as a part of this Section.

1.2 SECTION INCLUDES:

A. Provide all labor, materials, and equipment necessary for the installation of a complete cable sprung dance floor system in the dance studios. The sprung dance floor system shall include, but not be limited to:

1. Sheet vapor barrier and sleepers.
2. Cable Sprung Plywood sub flooring.
3. PVC vinyl dance floor surface.

1.3 REFERENCES

A. ASTM E84 - Surface Burning Characteristics of Building Materials.
B. APA – American Plywood Association.
C. Standard Building Code (SBC).

1.4 SYSTEM DESCRIPTION

A. The floor system shall be a cable sprung dance floor of plywood panels and resiliant pads, installed over a sleeper system, with a PVC vinyl dance floor surface semi permanently adhered.
B. The cable system shall consist of a series of high-strength aircraft cables that run beneath each row and column of the floor. The cables are secured to the outer edge of the perimeter.
C. As the cables are tightened, they shall draw all the floor panels together into a single smooth surface.

1.5 SUBMITTALS

A. Shop Drawings: Indicate floor joint pattern and termination details.
B. Product Data: Provide data for floor and finish materials.
C. Samples: Submit two (2) samples 12 x 24 inch in size illustrating floor finish, color, and sheen.
D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

1.4 MAINTENANCE DATA

A. Maintenance Data: Include maintenance procedures, recommended maintenance materials, a suggested schedule for cleaning, maintenance, and stain removal methods.

1.5 QUALITY ASSURANCE

A. Perform work in accordance with APA – American Plywood Association.
B. Maintain one copy of documents on site.
C. The following products.

1.6 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years documented experience.
C. Installer: Company specializing in performing the work of this section with minimum five years documented experience and approved by manufacturer. Installer shall be liable for all matters related to installation for a period of two years after the floor has been substantially installed and accepted by the Owner/Architect.
D. Single Installer Responsibility: Install the entire floor system by a single firm, for undivided responsibility.

1.7 REGULATORY REQUIREMENTS

- A. Protect wood against decay and termites in accordance with SBC Section 1703.
- B. Conform to applicable code flame/smoke and critical radiant flux rating requirements in accordance with NFPA 253-95 (ASTM E648).
- C. Conform to SREF for flame/smoke rating requirements of floor surface under provisions of ASTM E84.

1.8 PROJECT CONDITIONS

- A. Do not install wood flooring until wet construction work is complete and ambient air at installation space has moisture content stabilized.
- B. Provide HVAC, light, and ventilation prior to installation.
- C. Maintain room temperature and relative humidity in accordance with adhesive manufacturer's instructions for a period of two days prior to delivery of materials, during, and after installation.
- D. Deliver materials to permit moisture content to stabilize to ambient conditions.
- E. Limit average moisture content to 12 percent with a maximum of 14 percent for any piece.
- F. Starting application of wood flooring shall constitute acceptance that the sub-floor surface is in proper condition as required per the Manufacturers recommendations and Warranty requirements.

1.9 WARRANTY

- A. Provide a written warranty executed by Manufacturer, Installer, and Contractor agreeing to repair or replace wood flooring that fails in materials or workmanship within the specified warranty period. Failures include but are not limited to:
 - 1. Buckling, warping, squeaking and loosening.
 - 2. Excessive open joints, voids, or cracks.
 - 3. Deterioration of finish beyond normal wear.
- B. Warranty Period: Two years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 MATERIALS FOR SPRUNG FLOOR

- A. Flooring: Wood Flooring system shall be model "L'argent Bruille Studio Sprung Floor as manufactured by Site n Sound, Inc. Contact : Michael Johnson at 561-827-1115 or 561-791-9897. Certification of Species and grade certified by plywood manufacturer of all plywood, conforming to the following:
 - 1. Species: Maple veneer Poplar Core Plywood.
 - 2. Grade: C2 Pre-finished two sides.
 - 3. Treatment: UV Impregnated Catalyze Polyurethane.
 - 4. Cut: 48 3/8" x 96 5/16" Full sheet.
 - 5. Moisture Content: 7 to 9 percent.
 - 6. Edge: Groove Width 1/2" x 45" length with 3/8" Hardwood dowels penetrating the ply 1/8" from the edge spaced 6" O.C.
 - 7. Hardwood dowels, graded, 1/2" thick by 45" long with 45 degree bevel.
 - 8. Cushions: Natural Foam rubber 2" x 48" x 1/2" thick 5 to 9 lbs. P.S.I.
 - 9. CDX 1/2" plywood 3" x 3" hard pads.
 - 10. Aircraft cable 3/16" diameter with nico press ends.

2.2 ACCESSORIES

- A. Sheet Vapor Retarder: Black polyethylene, 6 mil thick; 2 inch wide tape for joint sealing.
- B. Sleepers and Shims Optional: Softwood lumber, pressure treated for moisture protection, 1 x 4 inch size.
- C. 3/16" thick x 1-1/4" flat iron stock cut to 5" lengths.
- D. 3/16" thick by 1 1/4" and 4" long flat iron stock.
- E. Oil based polyurethane, clear finish.
- F. Adhesives:
 - 1. Liquid Nail rubber adhesive.
 - 2. Yellow glue for wood.
 - 3. Sub floor filler: Premix latex cementitious type.
 - 4. 1 1/2" double stick tape.

- G. Fasteners:
 - 1. Rated 3/8" SAE by 8" eye bolts.
 - 2. 3/4" #10 pan head screws.
 - 3. 1 1/2" brads.
 - 4. Miscellaneous hardware tap-cons.

2.3 FLOOR SURFACE

- A. Floor Surface Finish: Heavy duty PVC vinyl dance floor model "Timestep", for Tap dance and Super Bravo for Ballet as manufactured by Stagestep or model "Cascade" as manufactured by Harlequin. Color to be determined by Owner.
- B. Floor Surface Attachment: Semi Permanent with double stick tape as supplied by Site N Sound Inc.. As per manufacturers instructions.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that concrete substrate surface is smooth and flat (+ or - 0")
- B. Verify that required floor mounted utilities are in proper location.

3.2 PREPARATION

- A. Broom clean substrate.

3.3 INSTALLATION

- A. Place sheet vapor Barrier over sub floor surface, lapping edges and ends minimum 6 inches and tape seal; staple in place. If Using sleepers, place sleepers over vapor barrier @ 16-1/16 -inches. Shim sleepers to level line and affix sleepers with tap-cons to sub-floor.
- B. Install Starter row and Starter End row, with tongs, verify that the Starter row and Starter End row are square to each other, secure to sub floor with hard pads. Install aircraft cables on starter row, affix with Nico selves.
- C. Lay flooring parallel to length of room areas. Verify alignment as work progresses. Install Finish End rows, affix with tap-cons to sub-floor with hard pads, as work progresses, ensure that each row remains tight to each preceding row.
- D. Install tension cables through tension mechanism prior to installing final row; terminate tension cables and tension flooring with light tensioning. Caulk all "T" intersections, pre-masking area to be caulked, remove all excess caulk. Allow caulk to dry 24 hours before fully tensioning floor.
- E. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar. Provide divider strips.
- F. Install edge strips at unprotected or exposed edges, and where flooring terminates. Secure metal strips after installation of flooring with stainless steel screws.
- H. Install flooring tight to floor access covers.
- I. Provided 2-inch expansion space at fixed walls and other interruptions.
- J. Adhere PVC vinyl dance floor per manufacturers specifications with double stick tape.

3.4 FINISHING

- A. Floor Finish: UV Coated Hardwood Plywood Industrial Stock Panels Hardwood Veneer Catalyzed Polyurethane to achieve low sheen surface; type recommended by flooring manufacturer.
- B. Sealer/Finish: Oil based Polyurethane touch up recommended by flooring manufacturer.
- C. Cleaning: Clean floor surfaces under provisions of manufacturer's instructions.

3.5 CLEANING

- A. Clean work under provisions of 01700.
- B. Upon completion of the Work under this section, remove from the premises unused materials, tools and equipment and see that the rubbish is disposed of.

3.6 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Prohibit traffic on floor finish for 48 hours after installation.
- C. Prohibit using finished rooms as storage and or staging areas for construction materials that are to be used for other aspects of work not related to the flooring. Flooring is not designed to hold static loads and will cause damage.

- D Prohibit using finished rooms as storage and or staging areas for furniture, fixtures or any type of machinery that are not intended to be permanently placed in the rooms. Flooring is not designed to hold static loads and will cause damage.

END OF SECTION

Site N Sound Inc. reserves the right to update and improve our product line. We reserve the right to modify or discontinue systems, accessories or specifications of all products at any time without notice or obligation to any purchasers.