

**SECTION 09550  
WOOD FLOORING, GENERAL**

**PART 1 - GENERAL**

**1.1 SUMMARY:**

**A. Section Includes:**

1. Finishing requirements for the following types of wood floors:

- a. New and existing wood strip flooring.
- b. New and existing wood parquet flooring.
- c. New and existing resilient wood flooring (gym and aerobics floors).

LIMIT USE OF WOOD FLOORING TO ATHLETIC, RECREATIONAL OR PERFORMING ARTS APPLICATIONS. ANY OTHER THAN HISTORICAL USE REQUIRES SPECIAL UNIVERSITY APPROVAL.

**1.2 REFERENCES:**

- A. MFMA: Maple Flooring Manufacturer's Association.

**1.3 SUBMITTALS:**

- A. Submit manufacturer's installation and maintenance instructions under provisions of Section 01300.

**B. LEED MRc7: Certified Wood**

Provide certification and chain of custody documentation from the manufacturer stating that wood based materials came from Forest Stewardship Council certified sources.

**1.4 ENVIRONMENTAL REQUIREMENTS:**

- A. Provide permanent heat, light, and ventilation prior to application.

- B. Maintain room temperature at a minimum of 65 degrees F during application of finishing materials and for a minimum of 7 days after final finish coat application.

FLOORING SHOULD BE STORED AND ACCLIMATIZED TO THE SPACE FOR A WEEK TO 30 DAYS.

**PART 2 - PRODUCTS**

**2.1 FINISHING MATERIALS:**

- A. Stain: Penetrating type which is non-fading wood stain of the color required to match Architect's sample.

MATERIALS LISTED ARE USED BY UCB STAFF FOR MAINTENANCE PURPOSES. AS POSSIBLE, USE THESE MATERIALS FOR NEW FLOORS.

1. LEED EQc4: Low-Emitting Materials

If stain is applied after installation, VOC and chemical component limits must not exceed the Green Seal Standard GS-11 requirements.

- B. Floor Cleaner: "Pacific Sport Clean" by BonaKemi USA, Inc., Aurora, Colorado, (303) 371-1411, or approved substitute.

- C. Floor Sealer: "Pacific Sport Sealer" by BonaKemi USA, Inc., Aurora, Colorado, (303) 371-1411, or approved substitute.

1. LEED EQc4: Low-Emitting Materials

All indoor sealants must meet or exceed the VOC limits of South Coast Air Quality Management District Rule #1168 and sealants used as fillers must meet the Bay Area Air Quality Management District Regulation 8, Rule 51 requirements.

- D. Urethane Finish: "Pacific Sport MVP" by BonaKemi USA, Inc., Aurora, Colorado, (303) 371-1411, or approved substitute.

1. LEED EQc4: Low-Emitting Materials

Finish must not exceed the VOC and chemical component limits set forth by Green Seal's Standard GS-11 requirements.

- E. Court Markings: Acrylic latex flat enamel compatible with finish materials.

1. LEED EQc4: Low-Emitting Materials

Paint must not exceed the VOC and chemical component limits set forth by Green Seal's Standard GS-11 requirements.

- F. Provide finishing materials which are acceptable to flooring manufacturer.

## PART 3 - EXECUTION

### 3.1 INSTALLATION:

- A. Sanding:

USE WATERBORNE FINISH RATHER THAN SOLVENT BASED WHENEVER POSSIBLE.

1. Sand flooring with drum sander, edger, butter and hand scraper.
    - a. Use coarse, medium and fine grade sandpaper.
    - b. After sanding with drum sander, buff entire floor using 100 grit screenback or equal grit sandpaper, with a heavy-duty buffing machine. Screen with 120 to 150 grit screen.
    - c. Vacuum or tack floor before first coat of finish.
    - d. Floor shall present a smooth surface without drum stop marks, gouges, streaks or shiners.
- B. Finishing:
1. Apply stain if needed to match Architect's sample.
  2. Apply floor sealer (1 coat) in accordance with manufacturer's instructions, including machine buffing.
  3. Apply court markings (if any) in accordance with final shop drawings. Use methods to assure accurate, straight lines of uniform width.
  4. Machine buff court markings in accordance with finish manufacturer's instructions.
  5. Apply floor finish in 2 coats over court markings or in 3 coats where no markings are required in accordance with manufacturer's instructions, buffing after each coat.
  6. Allow finish to cure for 7 days prior to subjecting to traffic.
- C. Clean up all unused materials and debris and remove same from the premises.

**END OF SECTION 09550**