



ULTRA PANEL WOOD FLOORING SYSTEM

1.

SUBMITTALS

- a) Submit three CALIBER ULTRA PANEL Specifications.
- b) Submit one sample of CALIBER ULTRA PANEL Systems.
- c) Submit three copies of maintenance data for CALIBER Sport Finish.

2. **DELIVERY, STORAGE, & HANDLING**

Materials shall not be delivered, stored, or installed until all H.V.A.C., masonry, painting, plastering, tile work, marble, and terrazzo work is completed and all overhead mechanical work, lighting, backstops, scoreboards are installed. Ideal storage/installation conditions are the same as those which will prevail when the building is occupied.

3. **MATERIALS**

- a) *Maple Flooring*: Unfinished, 25/32" x 2 1/4" x 1/4" x RL 2nd and BTR, T&G, EM, KD, northern hard maple flooring as supplied by Caliber Sport Systems.
Note: thickness, width and grade of flooring material may be altered to suit application.
- b) *Sport Floor Cushions*: CALIBER SPORT PARABOLIC SPORT PADS
- c) *Plywood*: Two layers of 1/2" exterior grade sheathing. CALIBER PARABOLIC Sport Floor Cushions stapled on lower sheathing layer 12" o.c. and 6" from perimeter of each sheet.
- d) *FLOOR FINISH SYSTEM – CALIBER SPORT XCURE OR HYDROCURE GYM FINISH SYSTEM*
- e) *Nails*: Purpose designed barbed nails for power nailing, 2" long as supplied by CALIBER Sport Systems.
- f) *Threshold & Reducer Strip*: Mill finish aluminum of size and profile as required to reduce level of hardwood floor to meet existing surface.
- g) *Vapor Barrier*: 6 mil. polyethylene.
- h) *Vent Cove Base*: 4" high x 3" leg, black vented cove base as supplied by CALIBER Sport Systems .

4. **ALTERNATIVES**

Floor must meet following guidelines: (PER DIN 18032 – 2 April 2001)

- a) Shock Absorption – average 71%
- b) Virtual Deflection – minimum 4.1 mm
- c) Area Deflection – average 15%
- d) Ball Rebound – average 95%

5. **JOB CONDITIONS**

- a) Do not install floor system until concrete is dry and has been cured a minimum of 60 days and the requirements listed above in paragraph 2 are obtained.
- b) Maintain ambient temperature of not less than 50°F (10°C), not more than 70°F (21°C) from 72 hours before installation to at least 48 hours after completion of work. Maintain 40% relative humidity during the same period.
- c) All finish flooring shall be stored in the building of application a minimum of 14 days before installation under proper and protected ventilation.
- d) After floors are finished, area to be kept locked by general contractor to allow curing time for the finish.

6. **INSTALLATION**

- a) Ensure substrate is dry prior to installation.
- b) Inspect floor for levelness before installation. Tolerance not to exceed 1/8" over 10'. The sub floor must be sound and properly prepared. Report discrepancies to owner/specifier for rectification.
- c) Install polyethylene with joints lapped a minimum of 4" and seal with sealant or adhesive.
- d) Cut 6" off the first layer of plywood at the starting wall and at one perpendicular end wall allowing pads and plywood to start 2" from these walls. Finish first layer of plywood by installing extra pads at the end of the two far walls as required.
- e) Install the lower plywood panel perpendicular to the finish flooring direction. Stagger joints. Space joints 1/4". Thirty two pads stapled per 4' x 8' sheet of plywood.
- f) Install the upper plywood panel diagonal to the lower panel. Stagger joints. Space joints 1/4".
- g) Secure the panels using adhesive and 1" staples, 8" to 10" o.c. at panel perimeter and 1" to 2" from end of each board.
- h) Machine nail maple flooring with end joints properly driven up and proper spacing provided for humidity conditions in the specific region.
- i) Solid blocking must be installed under bleachers where required

7. **SANDING & FINISHING**

- a) After installation is complete, sand wood-strip flooring with Hummel Belt Sander, edger and hand scraper. Use coarse, medium, and fine grades of sandpaper to produce a uniform, even and smooth surface. Sandpaper must be continuous from factory and not joined on job-site. Drum sanders may not be used.
- b) After sanding with belt sander, buff entire floor using a 100-grit screen with a heavy duty buffing machine.
- c) After sanding, remove dust and dirt off all floor surfaces. Use an industrial vacuum cleaner.
- d) Apply 2 COATS *CALIBER SPORT XCURE OR HYDROCURE GYM FINISH SYSTEM SEALER*
- e) *Layout, mask and paint Gamelines as set out in Architectural Drawings supplied by others*

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- f) Ensure compatibility between paint and finish
- g) Floor to present a smooth surface without stop marks, gouges, streaks, or shiner.
- h) Apply two additional coats of CALIBER Sport Finish.
- i) Install vented rubber base/aluminum thresholds.
- j) Clean up all unused materials and debris and remove same from premises.

8. MAINTENANCE

- a) Upon completion of the floor installation, the owner, attendant or individuals responsible for the maintenance of the building are to follow the guidelines supplied by CALIBER SPORT SYSTEMS for hardwood flooring maintenance.
- b) Areas of wood floor installation must be adequately ventilated with natural or mechanical air circulation. Temperature and humidity controls must be operational all year and employed as required in the region of installation.

9. GUARANTEE

- a) Guarantee shall not cover damage in the whole or in part by casualty, ordinary wear and tear, abuse, use for which materials are not designed, faulty construction of the building, settlement of the building walls, failure of the other contractors to adhere to specifications, separation of the concrete slab and excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall, or any other source. Abuse, vandalism, neglect, improper installation or maintenance procedures will negate all guarantees.
- b) CALIBER SPORT Systems dealer/contractor hereby warrants the ULTRA PANEL floor system installation/material to be free from manufacturing defects for a period of two years. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose, and of any other obligations on the part of Caliber Sport Systems. If any components are not supplied by Caliber Sport Systems, all warranties are rendered null and void. In the event of breach of any warranty, the liability of Caliber Sport Systems dealer/contractor shall be limited to repairing or replacing Caliber Sport Systems ULTRA PANEL material and system components supplied by Caliber Sport Systems proven to be defective in manufacture, and shall not include any other damages, either direct or consequential.