

**1 – GENERAL****1.01 SCOPE OF WORK**

This specification covers the furnishing of all materials and complete installation of the prefinished hardwood floor system, vapor barrier, glue, finish thresholds and base. The flooring contractor shall provide the necessary tools and labor for completing hardwood floor system.

1.02 CONCRETE/PLYWOOD SUBFLOORS

The general contractor shall provide a subfloor which is smooth and level to a tolerance of 1/8" in any 10'- 0" radius. Moisture barriers must be adequate for the site conditions.

- A. The general contractor shall provide a slab depression of 1 1/8" (27mm) for all new constructions.
- B. Concrete subfloors on or below grade must have an adequate moisture barrier beneath the slab, at the perimeter of the slab and on the sides of below grade installations.

1.03 QUALITY ASSURANCE

- A. Supplier Qualification — The Boflex System, as manufactured by Boen Bruk A/S and distributed by GSP.
- B. Installer Qualifications — The flooring contractor shall be a firm experienced in the installation of prefinished, floating hardwood systems and be a certified Boflex installing contractor.

1.04 SITE CONDITIONS

- A. The floor system shall not be installed until all masonry, plastering, marble or tile work is completed and all overhead mechanical trades and painters have finished their work in the wood floor area. The building shall be enclosed and weather tight.
- B. Permanent heat, light and air conditioning shall be installed and operative. Flooring shall be installed with the environmental range of temperature and humidity expected in the room area after it is installed.

1.05 WARRANTY

Boflex flooring shall be warranted free of defects in materials and workmanship for a period of five (5) years from date of substantial completion of the floor installation. The warranty shall cover loss of resiliency of foam channels, breakdown of the double tongue and groove connection and delamination of the system. The warranty does not cover damages caused by floods or excess moisture presence.

2 – MATERIAL

2.01 MATERIAL

- A. Moisture Barrier — Vapor barrier shall be 6 mil polyethylene.
- B. Foam Channels — Resilient foam channels shall be dual thickness to provide progressive resilience and shall be Evazone 50 grade and quality foam.
- C. Hardwood Floor Board Construction.
 - 1. The lamination construction shall consist of three layers of wood with the bottom layer running the length of the flooring plank. The middle layer is a diagonal layer of wood consisting of 1" finger strips sandwiched perpendicular to the hardwood top layer and base layer. The top layer shall be northern hard maple or white oak hardwood 3/16" thick with 6 coats of factory finish.
 - 2. Floor boards shall be triple lamination, double tongue and groove, end matched. Each board shall be two strip or three strip width with an overall dimension of 7'-2" long; 5-7/16" width; 1 1/8" thick.
- E. Adhesive/Glue — The tongue and groove shall be glued with Boflex adhesive only. Use of any other adhesive shall void all warranties.
- F. Wall Base — Wall base shall be Boflex oak or maple molded base 2-1/2" in height.
- G. Finish/Option — Finish material shall be water based urethane. A single or double coat shall be applied as specified by the owner or architect.

3 – EXECUTION

3.01 INSPECTION

- A. The wood subfloor or concrete slab shall be inspected for proper tolerance and shall be determined dry by industry standard testing procedures. Any variations should be reported to the general contractor, in writing, for correction by the general contractor or the responsible sub contractor.
- B. The subfloor shall be free of curing agents, foreign materials and turned over to the wood floor contractor, broom swept and vacuumed.

3.02 INSTALLATION

- A. Cover the concrete slab with 6 mil polyethylene, sealing the joints after lapping a minimum 6."
- B. Install the Boflex flooring parallel to the longest room dimension. Provide a 5/8" expansion void at the perimeter and all vertical obstructions (columns, etc.). For width up to 40' add 1/8" additional expansion for each 10'-0" increase in the overall width of the floor area.

3.03 FINISHING (OPTIONAL)

- A. Inspect the surface to be perfectly clean and free of all dust or impurities.
- B. Screen the surface then tack before applying the finish coat.
- C. Paint any games lines, logos or graphics before applying finish coat.
- D. Games lines paint must be compatible with floor finish.

3.04 BASE INSTALLATION

- A. Install Boflex wood base over expansion voids, anchoring to walls using adhesive/cement or screws and anchors.
- B. Miter all corners carefully and fill with oak or maple fill, if necessary.
- C. Install metal or wood thresholds and transitions as required.

3.05 MAINTENANCE

- A. Upon completion of the floor installation, the owner or individuals responsible for maintenance are to follow the maintenance guidelines provided by Boen Hardwood (Boflex) and the manufacturer of the floor finish.
- B. The areas with hardwood flooring must be adequately ventilated with air circulation. The mechanical equipment must be operational and shall maintain temperature (75° - 60°) and humidity (45-65% RH) as described in section 1.4.