

ElastiFlex Multi-Purpose Sports Floor

PRODUCT SPECIFICATIONS

PART 1 - GENERAL

1.1 SCOPE

Furnish all materials, labor and equipment necessary for the supply and installation of ElastiFlex Multi-Purpose Sports Flooring Systems or equal as indicated in the drawings and finish schedule.

1.2 SUBMITTALS

- A. Shop drawings and samples to be submitted as per architectural requirements.
- B. Provide Maintenance and Care Information for incorporation into Maintenance Manuals.
- C. Provide MSDS Sheet for all materials.

1.3 QUALITY ASSURANCE

Installing Contractor

- A. Shall be an established firm experienced in the field and approved by the supplier.
- B. Shall have completed at least 5 (five) projects of similar magnitude and complexity.

Supplier Qualifications

- C. Shall be regularly engaged in the supply of seamless composite floor systems.

1.4 PRODUCT DELIVERY STORAGE AND HANDLING

- A. Deliver and store materials undamaged, in original packing with manufacturer's labels and seals intact.
- B. A heated room will be designated for storage of materials and equipment. Keep room neat and clean at all times and under lock and key. Materials shall be stored at a minimum temperature of 58° Fahrenheit (F).

1.5 BUILDING CONDITIONS

- A. Contractor shall be responsible for verifying any corrections before delivery of product.
- B. All floor sockets, inserts, electrical and mechanical components shall be and/or installed in slab and adjusted to proper tolerances.
- C. The building shall be tight and dry with all windows and doors installed.

- D. Contractor shall furnish, install and furnish a proper subfloor to accept sports flooring. Subfloor shall be clean, dry and degreased, and paints or other materials shall be scrapped smooth. Subfloors shall be smooth and level to a maximum tolerance of 1/8" in a 10' radius.
 - E. Concrete slabs shall be fully cured with a maximum moisture content of 3%. General contractor shall depress the slab sufficiently to accommodate the floor system if the architect calls for the slab to be depressed. The slab shall be steel troweled to be ground level and low spots to be filled with an approved leveling compound by the contractor to full approval of the flooring contractor.
 - F. Plywood subfloor shall be sound with all nail or screw heads driven below plywood surface. All joints and screw heads to be filled smooth with surface by contractor.
 - G. Heating, ventilating, and air condition systems shall be functioning properly in areas where materials are to be stored or installed, and capable of maintaining a temperature of 70° F for a period of 3 (three) days prior to, during and the 3 (three) days after completion of flooring with relative humidity to be maintained at 35-65%.
 - H. Adequate accessibility to the building for stocking and storing materials from tractor trailer shipments shall be provided by the contractor.
 - I. After floors are completed, if the general contractor or owner requires use, he shall protect the floor by covering it with non-fibered Kraft paper or cardboard with taped joints until acceptance by owner. At no time is the paper to be glued to the floors.
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PART 2 - PRODUCTS

2.1 GENERAL

- A. All materials shall be of one manufacturer, distributed by Langhorn Flooring Concepts, Inc., 321 So. Main Street, PMB #536, Sebastopol, CA 95472.
- B. Shall have a minimum overall thickness of 4.5, 6.5 or 8.0mm for ElastiFlex.
- C. Color shall be selected by the architect from manufacturer's standard range.

2.2 ADHESIVE

- A. ElastiFlex adhesive or equal.

2.3 RESILIENT SHEET FLOORING

- A. A PVC closed cell foam sheet floor system in 3 (three) thicknesses, 4.5, 6.5, 8.0mm,

2.4 RESILIENT LAYER

- A. A layer of non-woven fiberglass mesh shall be incorporated within the PVC layer and the closed cell foam.

2.5 TOP FINISH AND LINES PAINT

- A. ElastiFlex Tuf-Coat Polyurethane Coating shall be incorporated into the top surface wear layer.
- B. ElastiFlex Lines Paint by Langhorn Flooring Concepts, Inc.

PART 3 - EXECUTION

3.1 GENERAL

- A. Flooring shall be installed in strict accordance with manufacturer's written recommendations by experienced installers approved by manufacturer.

3.2 EXAMINATION

- A. Flooring contractor shall inspect jobsite conditions prior to commencing installation and report any discrepancies to the owner in writing.
- B. All work required to meet outlined site conditions prior to installation shall be the responsibility of the contractor.

3.3 INSTALLATION PROCEDURE

- A. Installation shall be in strict accordance with manufacturer's directions as follows:
 1. The subfloor shall be clean, dry and flat with a minimum of 1/8" over a 10' radius.
 2. The entire system shall be installed at ambient temperature of not less than 20° Celsius. The subfloor shall be subject to this temperature for at least 72 hours prior to, during and after installation.

3.4 GAMES LINES

- A. Provide games lines of widths and colors as indicated on drawings. Games lines shall be applied utilizing paint as specified, in accordance with manufacturer's instructions. No finish coat is required over games lines.

3.5 PROTECTION

- A. Ensure that the floor finish is protected from damage until accepted by Owner.
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PART 4 - WARRANTY

4.1 GUARANTEE/WARRANTY

- A. This contractor shall furnish a written warranty, from the manufacturer, stating: That all work executed under this provision will be free from defects of materials and workmanship for a period of 5 (five) years from the date of installation.

END OF SECTION