

GymVersal Multipurpose Floor System

PRODUCT SPECIFICATIONS

PART 1 - GENERAL

1.01 SCOPE

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

1.02 SUBMITTALS

1. Shop drawings and samples to be submitted as per architectural requirements.
2. Provide Maintenance and Care information for incorporation into Maintenance Manuals.
3. Provide MSDS Sheet for all materials.

1.03 QUALITY ASSURANCE

Installing Contractor

1. Shall be an established firm experienced in the field and approval by the supplier.
2. Shall have completed at least 5 projects of similar magnitude and complexity.

Supplier Qualifications

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

1.04 PRODUCT DELIVERY STORAGE AND HANDLING

1. Deliver and store materials undamaged, in original packing with manufacturer's labels and seals intact.
2. 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.

1.05 BUILDING CONDITIONS

1. Contractor shall be responsible for verifying any corrections before delivery of product.
2. All floor sockets, inserts, electrical and mechanical components shall be and/or installed in slab and adjusted to proper tolerances.
3. The building shall be tight and dry with all windows and doors installed.
4. Contractor shall furnish, install and furnish a proper sub-floor to accept sports flooring. Sub-floor 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.
5. 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.
6. Plywood sub-floor shall be sound with all nail or screw heads driven below plywood surface. All joints and crew heads to be filled smooth with surface by contractor.
7. 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 three days prior to, during and the three days after completion of flooring with relative humidity to be maintained at 35-65%.
8. Adequate accessibility to the building for stocking and storing materials from tractor trailer shipments shall be provided by the contractor.
9. After floors are completed, if the general contractor or owner require 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.



PART 2 - PRODUCT

2.01 GENERAL

1. All materials shall be of one manufacturer, distributed by Langhorn Flooring Concepts, Inc., 321 So. Main Street, PMB #536, Sebastopol, CA 95472.
2. Shall have a minimum overall thickness of 3/8" (7mm + 2mm) for GymVersal or equal.
3. Color shall be selected by the architect from manufacturer's standard range.
4. All materials, including adhesive, underlayment, games lines and polyurethane shall be free from any hazardous materials such as lead, mercury, etc.

2.02 ADHESIVE

1. Rubberflex Ultra Grip two-part polyurethane or equal.

2.03 RESILIENT UNDERLAY

1. Polyurethane bound recycled rubber granulated sheet material, (7mm), 5/16" thick GymVersal pad or equal.

2.04 SEALER

1. GymVersal Tuf-Seal polyurethane two-part seal coating or equal.

2.05 POLYURETHANE COMPOSITION

1. Shall consist of two-layer application of self-leveling polyurethane top coat. Total thickness 1/16", two-component.

2.06 TOP FINISH AND LINES PAINT

1. GymVersal Top Coat or equal, matte finish, two-component polyurethane system.
2. GymVersal Lines Paint.

PART 3 – EXECUTION

3.01 GENERAL

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

3.02 EXAMINATION

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

3.03 INSTALLATION PROCEDURE

1. Installation shall be in strict accordance with manufacturer's directions as follows:
 - .1 The sub-floor 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 sub-floor shall be subject to this temperature for at least 72 hours prior to, during and after installation.
 - .3 The entire system shall be subject to the following drying times before subsequent layers of GymVersal or equal may be applied.
 - .1 Granulated rubber sheets, once they have been adhered to sub-floor – four hours before sealer or equal is applied.
 - .2 One first coating of GymVersal or equal is applied – 12 hours before the second GymVersal or equal is applied.
 - .3 Once second coat of GymVersal or equal is applied – 12 hours before GymVersal Tuf-Coat or equal Matte Finish is applied.
 - .4 Once the GymVersal Tuf-Coat or equal Matte Finish is applied – 24 hours before the GymVersal Lines Paint is placed on the floor system.

- .5 Once the Games Lines are applied – 72 hours before traffic is placed on the floor system.
- 2. Games Lines
 - .1 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. Protection
 - .1 Ensure that the floor finish is protected from damage until accepted by the owner.

3.04 WARRANTY

- 1. Guarantee / Warranty
 - .1 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 two years from the date of installation.