

SECTION 09624 - MODULAR ATHLETIC FLOORING**PART 1 - GENERAL****1.1 DESCRIPTION**

- A. Scope:
 - 1. The complete installation of sports surfacing including the interlocking high-impact polypropylene tile, supportive acoustical underlayment and striping.
- B. Related work specified under other sections:
 - 1. CONCRETE SUBFLOORS - SECTION 03__ __
 - a. The General Contractor shall furnish and install the concrete subfloors.
 - b. The slab shall be steel troweled to a medium-dense finish to a tolerance of 1/8" in any 10' radius.
 - 2. GAME STANDARD INSERTS - SECTION 11__ __

1.2 REFERENCES

- A. ASTM (American Society for Testing & Materials)
 - 1. ASTM C1028
 - 2. ASTM D 256
 - 3. ASTM D 638
 - 4. ASTM D 648
 - 5. ASTM D 696
 - 6. ASTM D 785
 - 7. ASTM D 1929
 - 8. ASTM E 1745
 - 9. ASTM G-21

1.3 SUBMITTALS

- A. Sport Court® Defense™ specifications.
- B. One sample of specified system and color choices, if requested by Architect.
- C. Sport Court® Modular Flooring Care & Maintenance Guide.

1.4 QUALITY ASSURANCE

- A. MATERIAL SUPPLIER: Shall be Sport Court® Inc.
- B. INSTALLER:
 - The complete installation of the flooring system, as described in these specifications, shall be carried out by a certified, authorized, factory trained dealer or representative as per current installation guidelines.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Materials must be delivered in Sport Court's original, unopened and undamaged packaging with identification labels intact.
- B. Store material protected from exposure to harmful weather conditions, on a clean, dry, flat surface protected from possible damage.

1.6 SITE CONDITIONS

- A. Installation of modular flooring materials shall not commence until all other finishes and overhead mechanical trades have completed their work in the modular floor areas.
- B. Subfloors shall be clean, dry, free from dirt, dust, oil, grease, paint, old adhesive residue, or other foreign materials.
- C. The facility must be completed to the extent that temperature conditions that will normally be present during the life of the floor shall be maintained for 72 hours prior to, during, and after installation.
- D. Flooring installation shall not begin until the levelness of concrete subfloors has been met and the sub floor is properly prepared by the General Contractor, as set forth in section 1.1B and 1.6B of this specification.
- E. Environmental Limitations

1. Comply with Sport Court's requirements.
 2. Adhere to all MSDS requirements for materials employed in the work. Protect all persons from exposure to hazardous materials at all times.
- F. After modular floors are installed and the game lines painted, the area is to be closed for 72 hours to allow curing time for the painted lines. No other trades or personnel are allowed on the floor until it has been accepted by the owner.

1.7 WARRANTY

- A. Sport Court® warrants that the materials it has supplied will be free from manufacturing defects for a period of ten (10) years. The foregoing warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied in operation of law or otherwise, including, but not limited to, any implied warranties of merchantability or fitness. This warranty is expressly limited to the flooring materials (goods) supplied by Sport Court®. This warranty does not cover floor damage caused (wholly or in part) by fire, winds, floods, moisture, other unfavorable atmospheric conditions or chemical action, nor does it apply to damage caused by ordinary wear, misuse, abuse, negligent or intentional misconduct, aging, faulty building construction, concrete slab separation, faulty or unsuitable subsurface or site preparation, settlement of the building walls or faulty or unprofessional installation of Sport Court® flooring systems.
- B. Sport Court® shall not be liable for incidental or consequential losses, damages or expenses directly or indirectly arising from the sale, handling or use of the materials (goods) or from any other cause relating thereto, and their liability hereunder in any case is expressly limited to the replacement of materials (goods) not complying with this agreement or, at their election, to the repayment of, or crediting buyer with, an amount equal to the purchase price of such materials (goods), whether such claims are for breach of warranty or negligence. Any claim shall be deemed waived by buyer unless submitted to Sport Court® in writing within 30 days from the date buyer discovered, or should have discovered, any claimed breach.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Sport Court® Defense™ Suspended Flooring - Imperial, solid-top design shall be, high-impact polypropylene, copolymer suspended modules with an equilateral triangle-support structure as supplied by Sport Court®. The tile shall have a patented Lateral Forgiveness™ positive locking system.
- B. Size – 12" x 12" x ½" (30.48cm x 30.48cm x 12.7mm)
- C. Weight - 0.85 lbs. (386g)
- D. Material Test Results
1. Rockwell hardness (ASTM D 785): 61 R
 2. Heat deflection @ 66 psi (ASTM D 648): 77°C
 3. Auto-ignition temperature (ASTM D 1929): 570°C
 4. CLTE: (ASTM D 696): 14.4 mm/mm °C x 10-5
 5. Tensile Yield Strength (ASTM D 638): 2800 psi
 6. Elongation at Yield (ASTM D 638): 5%
 7. Notched Izod (ASTM D 256): 11 (FT-LBS / IN) at 23°C
- E. Product Test Results
1. Friction Test (ASTM C1028) Dry /Wet: 0.60 / 0.61
 2. Flatness: 0.0mm ±.5mm
 3. Lateral Forgiveness™: +0.045 / -0
- F. Load Bearing Capacity: 200 psi
- G. Underlayment – Multi-purpose recycled rubber underlayment supplied by Sport Court, Inc.
- H. Sanitary Information
1. Resistance to fungi (when tested in compliance with ASTM G-21 and MIL standard 810-D procedure 508.3). All basic organisms tested (ATCC #6205-11797) and were found to have zero growth.
 2. Resistance to the following:
 - a. Bacteria and mildew resistance

- b. Gram-positive bacterial Staphylococcus Aureus
 - c. Gram-negative Klebsiella Pneumoniae
 - d. Pink-staining organism
 - e. STV Reticulum
 - f. Surface fungi growth prior to and following leaching
- I. Game Line Paint
 - 1. Primer – proprietary tile primer as supplied by Sport Court®.
 - 2. Paint – aliphatic polyurethane as supplied by Sport Court®. Select from standard colors.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Inspect concrete slab for contamination, and levelness. Report any discrepancies to the General Contractor.
- B. Concrete slab shall be broom cleaned, and wet mopped (for dust removal) by the General Contractor.
- C. Installer (Flooring Contractor) shall document all working conditions as specified in PART 1 – GENERAL prior to starting installation. Report any discrepancies to the General Contractor.

3.2 INSTALLATION

- A. Floor surface shall be clean and free of debris.
- B. Underlayment - Rubber underlayment will be unrolled and allowed to relax. All butt joints shall be properly trimmed, fitted, and seamed together with an approved all-purpose tape.
- C. Floor will be installed to pre-approved layout.
- D. Minimum clearance at all vertical obstructions of 3/4 inch is required.
- E. Game Lines
 - 1. Use only high-quality masking tape approved by Sport Court®.
 - 2. Lines shall be primed and painted using proprietary Sport Court® primer and recommended aliphatic polyurethane paint.
 - 3. Provide game lines as indicated on drawings.
- F. Optional: Wall Base - Install approved base and anchor to walls with base cement.
- G. Remove all excess and waste materials from the area of work. Dispose of empty containers in accordance with federal and local statutes.

END OF SECTION 09624