

PART I - GENERAL

DESCRIPTIONScope Of Work

1. The furnishing of materials, complete installation of the flooring systems described herein, including the interlocking, suspended, synthetic (polypropylene, high-impact, copolymer of proprietary formulation) modular tile system with the supportive acoustical underlayment, application of game lines, and provide complete maintenance instructions for the system.

Related Work Specified Elsewhere

1. Installation of concrete, bituminous, or wood substrate.
2. Preparation of substrate to provide a medium-dense finish with level tolerances of (+) or (-) 1/8" or any 10 ft. radius.
3. Membrane waterproofing as determined by project engineer. NOTE: Sport Court® flooring surfaces are not affected by moisture.

QUALITY ASSURANCEAcceptable Installer

1. SPORT COURT® flooring shall be installed and/or supervised by an authorized factory-trained Dealer or Representative per the most recent installation instructions of the manufacturer.
2. Successful bidder must submit a minimum of three (3) completed projects of similar magnitude and complexity with the last two (2) years. List of projects shall include name, address, phone number and contact person.

STORAGEStorage Of Material

1. The general contractor shall provide a secure, clean and dry location for storage of material.

JOB CONDITIONSSchedule Of Installation

1. SPORT COURT® flooring must not be installed until all other trades are completely finished in the area.
2. Substrate should be level to specified tolerances, free of debris and materials, and broom-clean.

WARRANTYManufacturer's Limited Warranty

1. SPORT COURT® flooring shall be warrantied by the manufacturer for any defects in materials and workmanship for a period of ten (10) years from the date of purchase as set forth in the manufacturer's standard limited warranty.

PART II - PRODUCTS

MATERIALSSport Deck IV (SD-IV) Suspending Flooring

1. Description: Metric, grid-top design shall be 9.842" x 9.842" x 1/2" (25cm x 25cm x 12.7mm), high-impact polypropylene, copolymer suspended modules with 676 support legs. Weight: 7.92 oz (225g). The tile shall have a positive locking system with mechanical Lateral Forgiveness™. The tile shall also have a minimum ten (10) year limited warranty as manufactured by Sport Court, Inc., Salt Lake City, Utah.

Line Striping

1. Primer: Primer shall be the proprietary tile primer as supplied by Sport Court, Inc., Salt Lake City, Utah, U.S.A.
2. Paint: Paint shall be an aliphatic polyurethane as recommended by Sport Court, Inc.

PART III - PHYSICAL PROPERTIES

MATERIAL TEST RESULTS

- A. Rockwell hardness (ASTM D 785): 70
- B. Heat deflection @ 66 psi (ASTM D 648): 185
- C. Melting point isotactic (ASTM D 2117): 325
- D. Auto-ignition temperature (ASTM D 1929): 1050°F
- E. Vicat softening point (ASTM D 1525): 262°F
- F. Low temperature brittleness (ASTM D 2137): -22°F
- G. CLTE: (ASTM D 696, E 831): 58.3×10^{-6} (in/in) /°F
- H. E-Modulus (ASTM D 5418) 120,000 psi, (827 MPa)
- I. Flex-Modulus (ASTM D 790) 115,000 psi (795 MPa)
- J. Tensile Yield Strength (ASTM D 638) 3,000 psi
- K. Elongation at Yield (ASTM D 638) 20%
- L. Notched Izod (ASTM D 256) 12 (FT-LBS / IN) at 23°C

PRODUCT TEST RESULTS

- A. Flame Spread Index (ASTM E 162): 45
- B. Smoke Generation (ASTM E 162): 37
- C. Radiant Panel (ASTM E 84, 162, 648) .68 Watts/cm²
- D. Friction Test (ASTM C 1028) dry < .72, wet < .50
- E. Compression vs. Crush (ASTM D 3998): no break
- F. Noise Reduction Coefficient (ASTM C 423) 20-40%
- G. Rolling Load (DIN 18032) PASS
- H. R-Value <1.0
- I. Flatness 0.0mm
- J. Lateral Forgiveness™ (0.000 - 0.045 inches per tile)
- K. Load Bearing Capacity: > 15,000 lbs. per tile

SANITARY INFORMATION

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.

SPORT DECK IV

GUIDE SPECIFICATIONS

Resistance to the following:

1. Bacteria and mildew resistance
2. Gram-positive bacterial Staphylococcus Aureus
3. Gram-negative Klebsiella Pneumoniae
4. Pink-staining organism
5. STV Reticulum
6. Surface fungi growth prior to and following leaching

PART IV – EXECUTION

INSPECTION

Substrate

1. Substrate shall be checked by a factory-trained Dealer or Representative for contamination, dryness, and level. Any deviation from specification shall be reported in writing to the general contractor for correction.

Sport Deck IV (SD-IV) Suspended Flooring

1. Floor will be installed to pre-approved layout.
2. Floor will be installed and/or supervised to manufacturer's specifications by an authorized, factory-trained Dealer or Representative.
3. Floor surface shall be clean and free of debris.
4. Lines shall be primed and painted using Sport Court primer and recommended aliphatic polyurethane paint.

MAINTENANCE

Maintenance Procedure

1. Flooring contractor shall provide a list of materials needed for proper care and maintenance of floor.
2. Flooring contractor shall provide a recommended tool for disassembly and reassembly.

SDiV:

Outdoor, all-weather sport design for basketball, tennis and multi-purpose use.

TYPE	DIMENSIONS	WEIGHT
Metric:	9.842"x9.842"x1/2" [25cm x 25cm x 12.7mm]	7.92oz [224.5g]

