



Division 9

Resilient Athletic Surfacing

SIGNADECK PREMIUM – RUBBER TILES

SPECIFICATIONS

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PART 1 – GENERAL

- A. SignaDeck Premium resilient rubber flooring is manufactured as a tile product for sports applications.
- B. Color options for SignaDeck Premium are to be selected from Signature Sports Flooring's standard available colors. Custom colors are available upon request by special order.
- C. SignaDeck Premium products come with standard square edges.
- D. Installation must follow manufacturer's standard Installation Procedures.

1.1 DESCRIPTION

- A. The work of this section includes:
 - 1. SignaDeck Premium EPDM and SBR Rubber Tiles – 3.0 and 9.5mm
- B. Related Sections: Section(s) related to this section include:
 - 1. The work specified in this Section consists of the installation of SignaDeck Premium rubber tiles in accordance with these specifications, and in conformity with the dimensions and notes shown in the plans.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions. Include methods of installation and requirements for substrate preparation.
- B. Samples: Submit representative samples of each material that is to be exposed in the completed work. Show full color ranges available and sample of welded seam.
- C. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans, required clearances and accessories. Include relationship with adjacent materials.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Deliver SignaDeck Premium flooring in a careful manner to avoid any damage. Adhesives or surface preparation product containers shall be unbroken and labels intact until time of use. Prevent damage or contamination to materials by water, moisture, freezing, excessive heat, foreign matter or other causes. Avoid exposure to direct sunlight as UV rays can alter appearance of colored rubber. Bending rubber flooring is not recommended, and under no circumstance should SignaDeck Premium be left bent, folded, stepped on, or crushed, as this may destroy the



product. It is recommended that SignaDeck Premium be stored on site with the adhesives, etc. at least 48 hours prior to installation. Tiles should be removed from pallets and any loading/shipping constraint pressures be removed in order to acclimatize to the recommended environment.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Address: Signature Fencing and Flooring Systems, LLC.
50 East 42nd Street 14th Floor New York, NY 10017:
Telephone: (212) 953-1116, (800) 705-1544: Fax (212) 953-1117
Email: info@signaturesportsflooring.com

2.2 PROPRIETARY PRODUCT(S)

- A. SignaDeck Premium vulcanized rubber tiles manufactured by Signature Sports Flooring for indoor commercial applications.
1. 3.0mm SignaDeck Premium Rubber Tiles
 2. 9.5mm SignaDeck Premium Rubber Tiles

2.2.1 SIGNADECK PREMIUM RUBBER TILES – 3.0mm

Product information:

Product: SignaDeck Premium 3.0mm by Signature Sports Flooring

Materials: Heavy duty rubber flooring made from Dual Durometer Vulcanized Rubber with a hammered finish and multicolored speckle design. The tiles are made with 35% pre-consumer scraps. The bottom layer is made from 40% recycled rubber.

Color: Green, Light Gray, Dark Gray, Red, Creamy Beige, Blue, Sky Blue, Yellow

Adhesive: Manufacturer's recommended adhesive for glue-down installation.

Line paint: Manufacturer's recommended source of compounded polyurethane paint.

Physical Properties:

Tile Size: 39.37" x 39.37"



Edges:	Square
Thickness:	3.0 mm
Performance:	
Dimensional Stability:	.3% (EN 434)
Effect of Cigarette Burns on Surface:	Method A \geq Level 4 Method B \geq Level 3
Flexibility:	No fissuring
Hardness:	85 \pm 5 Shore (ISO 7619)
Indentation:	.15mm (EN 433[mm])
Abrasion load:	150mm ³ (ISO 4649, Method A 5N)
Color Fastness to Artificial Light:	\geq 6 (EN 20105 – B02, Procedure 3)
Effect of Castor Chair:	Suitable if castor wheels type W are used
Fire Resistance:	Class 1, B1 (D.M. del 26/06/84 CSE RF3 / 77 RF2 / 75 A)
Slip Resistance:	R9 (DIN 51130 [Class])
Acoustic Insulation:	11dB (DIN 5210)
Thermic Resistance:	0.35 W/mK (DIN 52612-1)
Electric Resistance:	\geq 10 ⁹ (EN 1081 [Ohm])
Chemical Resistance:	No appreciable change (EN 423)
Electrostatic charge when walked upon:	Antistatic

2.2.2 SIGNADECK PREMIUM RUBBER TILES – 9.5mm

Product information:

Product:	SignaDeck Premium 9.5mm by Signature Sports Flooring
Materials:	Heavy duty rubber flooring made from Dual Durometer Vulcanized Rubber with a hammered finish and multicolored speckle design. The tiles



Color: are made with 35% pre-consumer scraps. The bottom layer is made Green, Light Gray, Dark Gray, Red, Creamy Beige, Blue, Sky Blue, Yellow

Adhesive: Manufacturer's recommended adhesive for glue-down installation.

Line paint: Manufacturer's recommended source of compounded polyurethane paint.

Physical Properties:

Tile Size: 39.37" x 39.37"

Weight: 2.5 lbs/sqft.

Edges: Square

Thickness: 9.5 mm

Performance:

Tensile Strength: 868 psi (ASTM D412)

Tensile Elongation: 347% (ASTM D412)

Hardness: Shore A durometer 81 (ASTM 2240)

Compression Set: 48.20% (ASTM D395)

Tear Resistance: 161 lbs./in. (ASTM D624)

Moisture Absorption: .13% (ASTM D570)

Chemical Resistance: Good (DIN EN 423)

Sound Absorption: 17dB (ISO 140/8)

Thermal Conductivity: .23 W/mk (DIN 56512)

Safety:

Critical Radiant Flux: Class 1 (ASTM E648)

Optical Density of Smoke: Pass (ASTM E662)



PART 3 – EXECUTION

3.1 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where specialty flooring will be installed. Do not proceed with installation until unsatisfactory conditions are corrected. Verify that the subfloor is properly cured, clean and dry. Verify that there are no variations in the concrete slab that exceed +/- 1/8 " in a 10' radius and that the moisture level is less than 3 Lbs per 1,000 square feet per 24 hours (test results must be submitted) Report any discrepancies to General Contractor in writing.

3.2 INSPECTION REQUIREMENTS

- A. A thorough inspection of all SignaDeck Premium flooring and accessories must be done on site upon delivery to ensure proper quantity and condition of materials.
- B. A thorough inspection of installation site and condition of sub-floor must be performed to ensure structural integrity and completion of any remedial work necessary to prepare sub-floor before installation. See manufacturer's installation instructions for additional preparations of various types of sub-floors.

3.3 INSTALLATION

NOTE: Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent tripping hazards.

- A. It shall be the responsibility of the general contractor to protect the surface from damage by other trades before acceptance by the owner or the owner's authorized agent.
- B. Instruct Owner's personnel in proper maintenance procedures.

3.4 CLEANING AND PROTECTION

- A. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer.
- B. Protect specialty flooring until acceptance.

