

Specification Note:

The following specifications call out the material and default installation requirements necessary for the floor as recommended by Robbins Sports Surfaces. In some cases, local codes, physical requirements or installer recommendation may override these methods and procedures. It is Robbins recommendation to review the specification with a Regional Sales Manager or the local Authorized Dealer before incorporating the specification into the project design. Some options impact installed cost and verification of the design and budget is advised.

For the name of the local Robbins representative or dealer, contact Robbins at 1-800-543-1913 or on the web at www.robbinsfloor.com <<http://www.robbinsfloor.com>> .

SECTION 09/GUIDE SPECIFICATIONS FOR ROBBINS DURATHON ELITE INFIELD FLOOR SYSTEM

PART 1-GENERAL DESCRIPTION

1.01 DESCRIPTION

A. Scope

1. The complete installation of sheet rubber flooring product as supplied by Robbins, Inc., Cincinnati, OH, including adhesives, sheet rubber product, and gameline materials.

B. Related Work Specified Under Other Sections: (A cross reference should be incorporated in these sections.)

1. Substrate Buildup:

- a. Asphalt for outdoor or indoor installations
- b. Concrete for indoor installation..... Section 03300

2. Slab Depression:

- a. Depression shall be thickness of Durathon material specified.

3. Slab Tolerance

- a. Slab tolerance is (+/-) 1/8" in radius of 10'. Surface steel troweled.
- b. **NO CURING AGENTS OR SEALERS ARE TO BE APPLIED TO THE CONCRETE SLAB.**

4. Membrane Waterproofing and Dampproofing..... Section 07100

- a. Concrete subfloors on or below grade shall be adequately waterproofed beneath and at the perimeter of the slab and on the earth side of below-grade walls.

5. Thresholds-Metal..... Section 08700

6. Game Standard Inserts..... Section 11500

1.02 QUALITY ASSURANCE

A. Floor System Manufacturer Qualifications

1. Manufacturer shall be an established firm experienced in field and have been in business for a minimum of ten (10) years; Robbins, Inc., or an approved equal.

B. Floor Contractor/Installer Qualifications

1. Flooring contractor shall be experienced in the flooring field and approved by manufacturer.
2. Flooring contractor shall be factory-approved, trained and have completed at least five projects of similar magnitude and complexity.
3. Submit three (3) copies of supplier's recommendations for the correct preparation, finishing and testing of concrete (wood or asphalt) subfloor surface to receive specified floor system.

1.03 SUBMITTALS

- A. Manufacturer's Product Data: Submit copy of **Durathon Elite Infield** Specifications.
- B. Samples: Submit sample of **Durathon Elite Infield** in thickness desired.
- C. Maintenance Literature: Submit copy of **Durathon** maintenance instructions.
- D. Submit copy of completion certificate from Robbins Installation Workshop

1.04 DELIVERY, STORAGE

- A. Delivery of Materials
 - 1. Material shall not be delivered or installed until all masonry, painting, plastering, tile work, marble and terrazzo work are completed, and all overhead mechanical work, backstops, scoreboards are installed. Room temperature of at least 55 degrees Fahrenheit and moisture content of concrete slab of 3% or less, and a vapor emission of 4 pounds per 1,000 square feet or less.
 - 2. Area where materials are to be stored should be maintained at 55 degrees Fahrenheit and under 50% relative humidity by the General Contractor.

1.05 JOB CONDITIONS

- A. Schedule of Installation
 - 1. Do not install floor system until concrete has been cured sixty (60) days, and the conditions in Paragraphs 1.01 and 1.04 are obtained.
 - 2. Environmental temperatures must average a minimum of 65 degrees Fahrenheit for one full week preceding, throughout, and 72 hours following application.
 - 3. Do not install **Durathon Elite Infield** Sport Surface until all other trades except bleacher Installation are completed.
 - 4. After **Durathon Elite Infield** Sport Surface is installed and game lines are painted, area is to be kept locked by general contractor to allow curing time for the paint and adhesive. No other trades are to be allowed on floor until it is accepted in writing by owner or owner's authorized agent.

1.06 GUARANTEE

- A. Guarantee shall not cover damage caused in whole or in part by casualty, ordinary wear and tear, abuse, use for which material is not designed, faulty construction of the building, settlement of the building walls, failure of the other contractors to adhere to specifications, separation of the concrete slab and excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall, or any other source.
- B. Robbins, Inc. hereby warrants the **Durathon Elite Infield** Sport Surface material to be free from manufacturing defects for a period of one (1) year. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose, and of any other obligations on the part of Robbins. In the event of breach of any warranty, the liability of Robbins shall be limited to repairing or replacing **Durathon Elite Infield** Sport Surface material and system components supplied by Robbins and proven to be defective in manufacture, and shall not include any other damages, either direct or consequential.

PART 2-PRODUCTS

2.01 MATERIALS

A. Durathon Elite Infield Sport Surface

1. Surface shall be dual-durometer rubber roll goods with Track embossing, ____” thickness (6mm, 8mm, 10mm, 12mm) and color of choice. Rolls size are 2.0m x 20.0m for 6mm; and 1.5m x 15.0m for 8mm through 12mm.
2. Typical physical properties of Durathon Elite Infield are tested in accordance with ASTM testing methods. Test results are based on compound cured according to ASTM procedures for rubber compounds, actual manufactured product may vary.

<u>Physical Property:</u>	<u>Standard:</u>	<u>Specification:</u>
Hardness Shore A Upper/Lower	ASTM D 2240	60/40 Shore A
Compression Set	ASTM D 395	90
Tensile Strength	ASTM D 412-98	4.3 Nm
Elongation @ Break	ASTM D 412-98	396%
Friction	ASTM D 2047	> 1.2
Resistance to Fungi	ASTM G 22 - 90	No growth
V.O.C. Compliance	ASTM D 5116	Pass
Critical Radiant Flux	ASTM E 648, NFPA 101	0.92 W/cm ² , Class 1
Optical Density of Smoke	ASTM E 662	<450, Class 1
Color Stability		Good
Chemical Resistance		Good
UV Resistance		Good
Stain Resistance		Good
Light Reflection		Average

B. Adhesive

Durathon Elite Adhesive, Mapeii G19, a two component urethane, no substitutions. Use of any non- approved adhesive shall void warranty.

C. Finishing Materials

Gameline paint shall be recommended by Robbins and compatible with the rubber sports surface.

PART 3-EXECUTION

3.02 INSTALLATION

A. Durathon Rubber Sports Surface

1. Product should be unrolled and allowed to relax before cutting and fitting.
2. Mix two-component urethane adhesive according to manufacturers instructions. Use 1/8" notched trowel to spread adhesive.
3. Unroll product into freshly applied adhesive. End seams will be single cut, edge seams overlapped, then snapped into place to insure tight seam.
4. Roll the entire sport floor surface with a medium-size steel roller to remove entrapped air. Wipe away adhesive that oozes between seams with wood alcohol.
5. All seams must be weighted in place. Leave weight in place a minimum of twelve (12) hours.

B. Game-line painting should be in accordance with manufacturer's current procedures, using

approved materials.

- C. Perimeter molding (**Optional**): Install a rubber base, anchored to walls with base cement.
- D. Clean up all unused materials and debris and remove same from the premises. Dispose of empty containers in accordance with federal and local statutes.

**Construction options are available to modify this system to the project design and budget.
Contact your Regional Sales Manager or the local Authorized Dealer for more information.**