

# 09 65 66 – Resilient Athletic Flooring

## DIVISION 9 - Finishes



### STATEMENT OF PURPOSE & BACKGROUND

- Scope:
  - Preparation, selection and installation of rubber athletic flooring.
- Statement of goals: See 09 60 00 – Floor Finishes
- Revision history of section:
  - 11/19/15
  - 02/27/19
  - 02/03/21

### SELECTION AND APPLICATION CRITERIA RUBBER ATHLETIC FLOORING

- Refer to Part 2 Products below. Three distinct types of rubber flooring are specified, depending on the intended use:
  - **RB-4** consists of interlocking tiles for use in weight rooms and similar spaces.
  - **RB-5** consists of textured sheet rubber athletic flooring for use on indoor running tracks and similar surfaces.
  - **RB-6** consists of a pad-and-pour seamless polyurethane flooring system for use in gymnasiums, field houses and similar spaces.

Criteria	Standard	Performance
Shore Hardness	ASTM D2240	78/50
Critical Radiant Flux	ASTM E648, NFPA 101	0.70 W/cm <sup>2</sup> , Type 1
Optical Density of Smoke	ASTM E662	<450, Class 1
Static Load Limit	ASTM F970	0.004 in.
Fungal Resistance Test	ASTM G21-90	No growth
Coefficient of Friction	ASTM D2047	0.78 – 1.05
VOC Compliance	ASTM D5116	Yes
Color Stability		Good
Light Reflection		Average
Chemical Resistance	ASTM F925	No Change
GREENGUARD Certification		Yes

### SELECTION AND APPLICATION CRITERIA UNDERLAYMENT

Criteria	Standard	Performance
Shore Hardness	ASTM D2240	79
Critical Radiant Flux	ASTM E648, NFPA 101	0.88 W/cm <sup>2</sup> , Type 1
VOC Compliance	ASTM D5116	Yes
Water Absorption	ASTM D570-81(88)	<6.74%
Noise Reduction	DIN 52210 ISO 140/VII	8 db

## MAINTENANCE & CLEANING PROCEDURES

Always refer to manufacturer's recommendations specific to each product.

- Periodic maintenance
  - For periodic deep cleaning, follow the procedure as indicated in Part 3.
- Regular maintenance for RB-4:
  - Per manufacturer's recommendations for interlocking tiles.
  - Dust mop or vacuum the floor to remove all dirt and grit.
  - Clean liquid spills as they occur.
- Regular maintenance for RB-5 and RB-6:
  - Per manufacturer's recommendations.
  - Dust mop or vacuum the floor to remove all dirt and grit.
  - Clean liquid spills as they occur.
  - Perform washes a minimum of once weekly. For daily washes, ensure cleaner is formulated for daily use and respect label requirements.
  - If required, remove any chewing gum with a gum removing spotter. If a solvent is used for removing gum, immediately rinse the floor with clean water.
  - Use a low RPM autoscrubber (<300 rpms) and ensure a low pressure setting for pad pressure applied. Use a red pad or a brush with soft nylon bristles.
  - Wet mop the floor with a diluted periodic maintenance product and allow the solution a minimum dwell time of 5-10 minutes. Do not let surface dry out.
  - Thoroughly scrub the floor in multiple directions and vacuum up soiled water.
  - Rinse the surface thoroughly with clean fresh water to remove residues from cleaning solutions. Allow floor to dry.

## OUTLINE SPECIFICATION

- Part 1 General
  - Extra Materials
    - Partially used rolls of sheet rubber not installed, and open boxes of interlocking tiles not installed, shall be turned over to the Owner.
    - Contractor to not supply any additional attic stock unless directed otherwise by Owner.
- Part 2 Products
  - Acceptable Manufacturers:
    - RB-4:
      - Tarkett Sports Dropzone fitness flooring, interlocking tiles, loose laid, 8-12 mm total thickness.
      - Dinoflex Recycled Rubber Tiles, Sport Mat Flooring, interlocking tiles, loose laid, 8-12 mm total thickness.
      - To Market, Atmosphere Phoenix Collection, interlocking tiles, loose laid, 8-12 mm total thickness.

- RB-5:
      - Mondo 'Super X' Vulcanized Rubber Athletic Floor, 8 mm total thickness, over Mondo Everlay T underlayment.
    - RB-6:
      - Robbins Pulastic Pad and Pour Classic sports surface. Seamless padded polyurethane system, 8-11 mm total thickness.
      - Tarkett Polyturf Plus Pad and Pour Seamless padded polyurethane system, 8-11 mm total thickness over Tarkolay underlayment.
      - Game lines: Pigmented, two-component polyurethane paint; colors as selected by Owner and Architect from manufacturer's standard color range.
    - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Part 3 Execution
  - Per Consultant and / or manufacturer specification.
  - Verify that the moisture and pH content of concrete slabs meet the requirements of the flooring and adhesive manufacturers by testing in accordance with ASTM F2170.
  - In the event that the moisture content requirements cannot be met, a per square foot unit price for a Moisture Vapor Emission Control system meeting ASTM F3010 must be provided. Refer to Section 09 05 61.
  - Provide proper cure time per manufacturer's specification.
  - Protect the surface from damage by other trades during and following installation until accepted by Owner.
  - Post Installation for all products:
    - Per manufacturer's recommendations to remove any factory applied coatings within 72 hours of installation.
    - Dust mop or vacuum to remove all dirt and grit.
  - Post Installation for RB-5 and RB-6:
    - Initial wash: Use a low RPM autoscrubber (<300 rpms) and ensure a low pressure setting for pad pressure applied. Use a green pad or a brush with soft nylon bristles.
    - Wet mop using a diluted neutral cleaner (per manufacturer's product preference) and allow the solution to sit for a minimum of 5-10 minutes. Do not let surface dry out.
    - Scrub the floor thoroughly in multiple directions and vacuum up soiled water.
    - Rinse the surface thoroughly with clean fresh water. Repeat rinsing as needed to remove all residues and allow to dry.

End of Section