09 65 66 – Resilient Athletic Flooring
DIVISION 9 - Finishes

STATEMENT OF PURPOSE & BACKGROUND

• Scope:
  o Preparation, selection and installation of rubber athletic flooring.
• Statement of goals: See 09 60 00 – Floor Finishes
• Revision history of section:
  o 11/19/15
  o 02/27/19
  o 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:
  o RB-4 consists of interlocking tiles for use in weight rooms and similar spaces.
  o RB-5 consists of textured sheet rubber athletic flooring for use on indoor running tracks and similar surfaces.
  o RB-6 consists of a pad-and-pour seamless polyurethane flooring system for use in gymnasiums, field houses and similar spaces.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Standard</th>
<th>Performance</th>
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<tbody>
<tr>
<td>Shore Hardness</td>
<td>ASTM D2240</td>
<td>78/50</td>
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<tr>
<td>Critical Radiant Flux</td>
<td>ASTM E648, NFPA 101</td>
<td>0.70 W/cm2, Type 1</td>
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<td>Optical Density of Smoke</td>
<td>ASTM E662</td>
<td>&lt;450, Class 1</td>
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<td>Static Load Limit</td>
<td>ASTM F970</td>
<td>0.004 in.</td>
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<td>Fungal Resistance Test</td>
<td>ASTM G21-90</td>
<td>No growth</td>
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<td>Coefficient of Friction</td>
<td>ASTM D2047</td>
<td>0.78 – 1.05</td>
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<td>VOC Compliance</td>
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<td>Color Stability</td>
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<td>Light Reflection</td>
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<td>Chemical Resistance</td>
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<td>GREENGUARD Certification</td>
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SELECTION AND APPLICATION CRITERIA
UNDERLAYMENT

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<td>Shore Hardness</td>
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<td>Critical Radiant Flux</td>
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<td>Water Absorption</td>
<td>ASTM D570-81(88)</td>
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<tr>
<td>Noise Reduction</td>
<td>DIN 52210 ISO 140/VII</td>
<td>8 db</td>
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MAINTENACE & CLEANING PROCEDURES

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

• Periodic maintenance
  o For periodic deep cleaning, follow the procedure as indicated in Part 3.

• Regular maintenance for RB-4:
  o Per manufacturer’s recommendations for interlocking tiles.
  o Dust mop or vacuum the floor to remove all dirt and grit.
  o Clean liquid spills as they occur.

• Regular maintenance for RB-5 and RB-6:
  o Per manufacturer’s recommendations.
  o Dust mop or vacuum the floor to remove all dirt and grit.
  o Clean liquid spills as they occur.
  o Perform washes a minimum of once weekly. For daily washes, ensure cleaner is formulated for daily use and respect label requirements.
  o 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.
  o 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.
  o 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.
  o Thoroughly scrub the floor in multiple directions and vacuum up soiled water.
  o Rinse the surface thoroughly with clean fresh water to remove residues from cleaning solutions. Allow floor to dry.

OUTLINE SPECIFICATION

• Part 1 General
  o 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
  o Acceptable Manufacturers:
    ▪ RB-4:
      o Tarkett Sports Dropzone fitness flooring, interlocking tiles, loose laid, 8-12 mm total thickness.

      o Dinoflex Recycled Rubber Tiles, Sport Mat Flooring, interlocking tiles, loose laid, 8-12 mm total thickness.

      o To Market, Atmosphere Phoenix Collection, interlocking tiles, loose laid, 8-12 mm total thickness.
• RB-5:
  o Mondo ‘Super X’ Vulcanized Rubber Athletic Floor, 8 mm total thickness, over Mondo Everlay T underlayment.

• RB-6:
  o Robbins Pulastic Pad and Pour Classic sports surface. Seamless padded polyurethane system, 8-11 mm total thickness.
  o Tarkett Polyturf Plus Pad and Pour Seamless padded polyurethane system, 8-11 mm total thickness over Tarkolay underlayment.
  o 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
  o Per Consultant and / or manufacturer specification.
  o 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.
  o 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.
  o Provide proper cure time per manufacturer’s specification.
  o Protect the surface from damage by other trades during and following installation until accepted by Owner.
  o 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.
  o 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