

SECTION 02790

ATHLETIC AND RECREATIONAL SURFACING

**PART 1 GENERAL**

* 1. **SECTION INCLUDES**
1. Resilient interlocking fitness flooring
	1. **RELATED SECTIONS**
2. Section 02300 – Earthwork: Asphalt subsurface.
3. Section 03300 – Cast-in-Place: Concrete subsurface.
	1. **REFERENCES**
4. ASTM D412 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers.
5. ASTM D624 – Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
6. ASTM E303 – Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.
7. ASTM D3676 – Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay.
8. ASTM C501 – Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser.
	1. **SUBMITTALS**
9. Submit under provisions of Section 01300

B. Product Data:

 1. Installation and Maintenance Instructions.

 2. Storage and Handling Instructions

 3. Product Warranty

1. Selection Samples: Submit one set of color chips representing manufacturers full range of available colors.
2. Verification Samples: Submit one sample, minimum size 6 inches square
3. Installers Project References:
4. Submit list of successfully completed projects.
5. Include project name and location, name of architect, and type and quantity of surfacing installed.
	1. **QUALITY ASSURANCE**
6. Manufacturers Qualifications: Manufacturer shall meet the following requirements
7. Continuously engaged in manufacturing of surfacing products of similar type to that specified.
8. Installers Qualifications:
9. Trained and certified by the manufacturer.
10. Approved by the manufacturer.

**1.6 DELIVERY, STORAGE AND HANDLING**

1. Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
2. Storage:
3. Store materials in accordance with manufacturer’s instructions.
4. Store materials to be installed indoors at the ambient temperature of the installation location for a minimum of 48 hours before installation.
5. Protect materials from direct sunlight before installation.
6. Store adhesive indoors at the ambient temperature of the installation location.
	1. **PROJECT CONDITIONS**
7. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer’s absolute limits.
8. Air Temperature for Interior Installations: Ensure air temperature is the same temperature as anticipated during normal operation.
	1. **WARRANTY**
9. Materials and Workmanship: Aveer Sport has a limited 10 year warranty per the warranty schedule.

**PART 2 PRODUCTS**

* 1. **MANUFACTURERS**
1. Acceptable Manufacturer: Rubberecycle LLC., 1985 Rutgers University Blvd., Lakewood, NJ 08701. Toll Free: 888.436.6846 Fax: 732.370.4247.
2. Requests for substitutions will be considered in accordance with provisions of section 01600.
	1. **PROPRIETARY PRODUCTS**
3. Tiles: Aveer Sport
4. Description: Vulcanized rubber, interlocking fitness flooring
5. Material: Vulcanized SBR and TPE rubber
6. Seams: U-Channel interlocking configuration
7. Edges: Zero radius edge
8. Bottom: Reversed prisim pedestal configuration
9. Top: Diamond pattern texture
10. Size: 24 1/16t”X24 1/16t”X1” thick
11. Minimum Weight: 20 Lbs.
12. Colors: Black

1. Test Results
2. ASTM E303
	1. Dry: 63
	2. Wet: 42
3. ASTM D412
	1. Tensile Strength: 2.68 Mpa
	2. Elongation at Break: 110%
4. ASTM D624
	1. Tear Strength: 14.0 kN/m
	2. Peak Tear Load: 175 (N)
5. ASTM D3676
	1. 1534 kg/m3
6. ASTM C501
	1. Wear index: 52
7. Accessories
8. Reducers
9. Prefabricated ADA compliant ramped edging
10. Material: Same as tiles.
11. Adhesive: Furnished by manufacturer

**PART 3 EXECUTION**

3**.1 EXAMINATION**

1. Examine areas to receive fitness flooring tiles. Notify architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

**3.2 PREPARATION**

1. Prepare subsurface in accordance with manufacturer’s instructions.

**3.3 INSTALLATION**

1. Install fitness flooring in accordance with manufacturers instructions and drawings.
2. Ensure prepared subsurface is dry and clean.
3. Layout tile surface in accordance with manufacturer’s instructions and drawings
4. Apply Adhesive in accordance with manufacturers instructions

Installation to be completed by a factory trained and authorized installer

**3.4 CLEANING**

1. Clean tiles in accordance with manufacturer’s instructions

**3.5 PROTECTION**

1. Protect completed flooring from damage during construction.

**END OF SECTION**