**SECTION 09624-Synthetic Athletic Flooring**

**PART 1 – GENERAL**

* 1. **DESCRIPTION**
1. **Scope –**
	1. The furnishing of a completely integrated sports floor cover.
	2. The facility personnel responsible for the installation and removal of sports floor cover shall be instructed and trained by a qualified representative.
	3. **REFERENCES**
2. American Society for Testing & Materials - ASTM
	1. **QUALITY ASSURANCE**
3. **Manufacturer –**
4. MATERIAL SUPPLIER: Shall be Aacer Flooring
5. **Installer –**
6. The installation of the floor tiles shall be carried out by an experienced installer.
7. Installer must have Aacer installation accreditation.
	1. **SUBMITTALS**

**A.** Aacer AcoustiCover™ specifications.

**B.** One sample of specified system, if requested by Architect.

**C.** Aacer Synthetic Care & Maintenance Guide.

* 1. **WORKING CONDITIONS**
1. Material shall be stored indoors upon delivery in a dry, protected area with environmental conditions compatible to conditions in the assembly area.
2. The flooring materials specified herein shall not be delivered or installed until all wet trades and overhead work is completed. This includes all masonry, painting, plaster, tile, marble, and terrazzo, as well as all overhead mechanical trades. The building shall be fully enclosed and weather tight and all permanent windows and doorways shall be installed. Permanent heating and air conditioning shall be installed and working in accordance with building occupation requirements.
3. **New Floor Construction –**
4. **Cure Time –** If the floor covering will be installed over new flooring, the synthetic tiles as specified herein shall not be installed until the new floor system has completely cured. The length of curing time shall be verified by the supplier of the flooring system.
5. **Floor Loading –** If Aacer storage carts are provided, the floor loading requirements of the floor system shall be verified. Certain wood and synthetic systems may require additional or special wheels to prevent damage or marring of the floor system or additional carts may be required.
6. **Existing Flooring –**
7. **Floor Loading** **–** If Aacer storage carts are provided, the floor loading requirements of the floor system shall be verified. Certain wood and synthetic systems may require additional or special wheels to prevent damage or marring of the floor system or additional carts may be required.
	1. **WARRANTY AND DISCLAIMER**
8. Aacer Flooring of Peshtigo WI hereby warrants the materials it has supplied to be free from manufacturing defects for a period of one year. This warranty is in lieu of and excludes all other warranties expressed or implied including any implied warranties of merchantability or fitness for a particular purpose.
9. The jobsite documentation forms by the flooring contractor shall become a part of the warranty and both the owner and flooring contractor shall retain record of said forms as a permanent reference for any abrogation.
10. Flooring contractor warrants the install of the floor systems to be free from defects in materials and workmanship for a period of one year.
11. Notification of claim shall be made within 30 days of discovery.
12. It is the policy of Aacer Flooring to continuously improve its line of products. Therefore, Aacer Flooring reserves the right to change, modify, or discontinue systems, specifications and accessories of all products at any time without notice or obligation to purchaser.

**PART 2 PRODUCTS**

* 1. **MATERIALS**
1. **Synthetic Floor Cover** –
2. One-piece tufted, Enhanced Graphic Loop tile with cushioned fiberglass reinforced thermoplastic backing as supplied by Aacer Flooring.
3. **Size –**
4. 3’ x6’ tile (18 square feet).
5. **Colors –**
6. Pumice (8224)
7. Shantung (3521)
8. **Physical Properties –**
9. Stitches Per Inch ................................................................................................. 8.8 per inch
10. Pile Thickness ………………………………………………………………………………………………….. .136 inches
11. Gauge ………………………………………………………………………………………………………………. 1/10”
12. Dye Method ………………………………………………………………………………………… 100% Solution Dyed
13. Pile Density …………………………………………………………………………………… Average Density = 5,823
14. Backing Material ……………………. Infinity Modular Reinforced Composite Closed Cell Polymer
15. Face Yarn ……………………. Invista Antron Lumena Type 6.6 Four Hole, Hollow Filament Nylon
16. Soil/Stain Technology ………………………………………………. XGAURD® Soil Protection Technology
17. Face Weight …………………………………………………………………………………………………………. 22oz/yd2
18. Product Construction …………………………………………………………………….. Enhanced Graphic Loop
19. **Performance Specifications –**
20. Static ……………………………………………………………………………………………………. (ATCC 134) <3.0 KV
21. Flooring Radiant Panel Test …………………………… (ASTM E-648 glue down) Meets NFPA Class I
22. Smoke Density ………………………………………………………….… (ASTM-E-662) <450 (Flaming Mode)
23. Indoor Air Quality ………………………………………………… CRI Green Lable Plus Certified #GLP7616
24. **Storage Carts –**
25. Storage Carts – 36” X 72” carts shall be manufactured of heavy duty steel and include broad based wheels. Number of carts will depend on floor size. Floor loading limits of existing floor may dictate additional carts or the use of special or double wheels.

**PART 3 - EXECUTION**

**3.1. INSTALLATION AND INITIAL ASSEMBLY**

1. Align first row using existing straight line (game line or taut string line).
2. Keep tiles tight corner to corner.
3. Tiles can be cut to fully cover existing floor if desired and required.
4. Remove all excess and waste materials from the area of work.

**3.2. DISASSEMBLY**

1. Begin disassembly in opposite order of installation.
2. Divide the tiles evenly among the storage carts.
3. Separate and mark any custom cuts.
	1. **STORAGE**
4. Tiles should be transported to and from storage area with care.
5. Storage area must be dry and well ventilated.
	1. **CLEANING**
		1. Clean tiles as outlined in Aacer Synthetic Care & Maintenance Guide.

**END OF SECTION 09642**

Aacer AcoustiCoverTM

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