

**ARCHITECTURAL SPECIFICATIONS FOR  
SUSPENDED MODULAR TILE SPORTS FLOOR SYSTEM**

**SECTION 09771- ATHLETIC SURFACING – INDOOR/OUTDOOR -  
SUSPENDED**

**PART 1 – GENERAL**

**1.01 DESCRIPTION**

**A) Scope**

1. The furnishing of interlocking suspended synthetic (high impact polypropylene copolymer proprietary formulation) modular tile system.
2. Game lining.

**1.02 RELATED WORK SPECIFIED ELSEWHERE**

- A) Installation of concrete, bituminous or wood substrate.
- B) Preparation of substrate to provide a medium, dense finish with level tolerance of (+) or (-) 1/8 inch in any ten-foot radius.
- C) Substrate shall be free of any debris before modular tiles are installed.

**1.03 QUALITY ASSURANCE**

**A) Acceptable Manufacturer:**

1. The manufacturer shall be a firm experienced in the manufacturing of interlocking suspended synthetic floor systems for over 20 years.

**B) Acceptable Installer:**

1. Flooring contractor shall be a firm experienced in the flooring field and approved by the manufacturer.

**C) Warranty:**

1. Manufacturer's 15 year limited warranty on materials.

**1.04 SUBMITTALS**

- A) Submit samples of the actual sports surface in the standard color and manufacturers literature.

**1.04 DELIVERY AND STORAGE**

- A) Material shall not be installed until all masonry; painting, plastering tile work, marble, and terrazzo are complete to ensure cleanliness.

## **PART 2 - PRODUCTS**

### **2.01 SUSPENDED SYNTHETIC MODULAR TILE SYSTEM**

- A) Prefabricated tile system. Matéflex III, as manufactured by Matéflex-Mele Corp., Utica, NY.
- B) Dimensions: 12" x 12" x 1/2"
- C) Weight: .71 lb.
- D) Open grid design, square/diagonal rib pattern. Rib width: .085" maximum.
- E) Each module shall incorporate 3 horizontal and 3 vertical leaf spring-type flex joints, integral to the design.
- F) Support: Surface supported by 481 cruciform gusseted posts.
- G) Loading: 16,000-lb./sq. ft.
- H) Locks: 32 latch locks. 2 sides with 8 male parts each. 2 sides with 8 female parts each.
- I) Flammability: Meets UL94-HB standard.
- J) Material: All modules shall be made from a proprietary blend of engineering grade virgin copolymer Polypropylene with incorporated stabilizers, ultraviolet absorbers, anti-oxidants and color pigments. The material shall be designed to provide high color integrity, excellent weatherability and good traction, resiliency and durability for normal play. Material to be fungus and mildew resistant.
- K) Service range: -50 to 275 degrees F.

### **2.02 LINE MARKING**

- A) Line marking (paint) to be supplied by sport surface manufacturer and be specifically formulated for application to the flooring material.

## **PART 3 – EXECUTION**

### **3.01 SUBSTRATE**

- A) Substrate shall be reviewed by the contractor for contamination, dryness and level. Any deviation from specification should be reported in writing to the architect for correction.
- B) Architect will implement corrections to substrate and notify installer upon completion of corrections.

## SPECIII

### 3.02 INSTALLATION

- A) Install suspended modular tile sports surface in accordance with the latest manufacturer's recommendations.
- B) Outdoor installations in excess of 100' in length: The periphery of the court surface to be mechanically fastened to the base per manufacturer's recommendations. Final trim to be within ½" of any backstop or sidestop under all conditions.
- C) No gaps, spaces or openings between modules are permitted.
- D) Game lines to be installed per manufacturer's recommendations.

### 3.03 EXTRA STOCK

- A) Supply twenty (20) pieces of tile for each color installed for use by the Owner for implementing flooring repairs.