

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

**SECTION 09771- ATHLETIC SURFACING - INDOOR - 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, as required by Section 01340.

1.05 DELIVERY AND STORAGE

- A) Material shall not be installed until all other work is complete to insure cleanliness and to protect the material from damage.

**PART 2 - PRODUCTS**

2.01 SUSPENDED SYNTHETIC MODULAR TILE SYSTEM

- A) Prefabricated tile system: Inline Arena Tile, as manufactured by Mateflex Modular Surfaces, Utica, NY.
- B) Dimensions: 12" x 12" x 1/2"
- C) Weight: 0.75 lbs. (12 oz.)
- D) Top wear surface .076" thick.
- E) Support: Gusseted geometric ribs.
- F) Static Loading: 125 psi.; 18,000-lb./sq. ft.
- G) Locks: 20 latch locks. 2 sides with 5 male parts each. 2 sides with 5 female parts each.
- H) 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, good traction, resiliency and durability for normal play. Material to be fungus and mildew resistant.

- I) Service range: -50 to 275 degrees F.
- J) Flammability: Meets UL94-HB standard.
- K) Ball Rebound: 99% concrete.
- L) Rolling Load: 1000N - Pass

## 2.02 LINE MARKING

- A) Line marking, paint or tape, as recommended by sport surface manufacturer.

## **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.

### 3.02 INSTALLATION

- A) Install suspended modular tile sports surface in accordance with the latest manufacturer's recommendations.
- B) 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. Deliver extra stock to the Owner and provide written receipt upon delivery with copy to be retained by the flooring installer.