



## VersaCourt Active Tile System Specification

### PART 1 - GENERAL

#### 1.01 Description

- A. Scope of work: Furnishing of materials for the flooring system described below. The flooring is a modular interlocking suspended plastic tile system. Includes installation, application of game lines, and maintenance instructions for the flooring system.
- B. Related Work Specified Elsewhere
  - a. Installation of concrete, asphalt, or other base material.
  - b. Preparation of base to provide a medium broom surface finish with tolerances of (+) or (-) ¼" in any 10' radius.
  - c. Membrane waterproofing as determined by the project engineer.

### PART II - WARRANTIES

#### 2.01 Manufacturer's Limited Warranty

- A. VersaCourt® outdoor flooring is covered under a scaled lifetime warranty by the manufacturer for any defects in materials and workmanship.

#### 2.02 Installers

- A. Installer shall provide a one (1) year warranty on his workmanship as it pertains to the installation of the modular flooring and accessories.

### PART III - PRODUCT

#### 3.01 Materials

- A. VersaCourt court tiles
  - a. Description – An injection molded, high impact plastic tile supplied in pre-assembled 6-tile sheets.
  - b. Size – 15.75" x 15.75" x 0.63" (40.005 cm x 25.73cm x 16.002mm)
  - c. Material – Specially blended high impact polypropylene copolymer. UV stabilizer and antioxidant additives are molded into each tile to insure protection against color fade and plastic deterioration & oxidations.
  - d. Surface Texture – Specially designed flat top surface with open grid design provides a high grip surface in most weather conditions. NOTE: Plastic Active tiles can become slippery when moisture is present on the surface.
  - e. Tile Interlocking Mechanism – The tile interlocking system is designed to allow for thermal expansion and contraction without causing the surface to buckle. It also provides the player with lateral forgiveness.
  - f. Colors – Standard colors and custom options available
  - g. Support Structure – Patented base design with 1/4" built in support system also maximizes airflow. Open profile design with reduced height to allow a variety of



- overlay flooring solutions. This provides a stable base while at the same time vertical flex.
- h. Weight – 1.315 lbs.

- B. VersaCourt court ramp tiles
  - a. Description – An injection molded, high impact plastic ramp tile. Used around the edge of court as ramp from ground to tile level.
  - b. Size – 15.75" x 2.5" x 0.63" thick
  - c. Material – Same as tile
  - d. Surface texture – Smooth
  - e. Tile Interlocking Mechanism – Same as tile
  - f. Colors – Same as tile
  - g. Support Structure – Same as tile
  - h. Weight – 0.210 lbs

- C. Line Stripe Painting
  - a. Primer/Paint - A proprietary adhesion promoter and 2-Part polyurethane base, marine grade paint is required.
  - b. Logos – Custom logos may also be painted onto the surface of the tile.

## **PART IV – PHYSICAL PROPERTIES**

### **4.01 Product Test Results**

- A. Relative Abrasiveness (ASTM F1015): 17
- B. Friction (ASTM E-303 Friction): 101 - 120
- C. Standard Test Method for Static Load (ASTM F970): Load: 250 psi | Compression 0.019 inch
- D. Head Impact Coefficient (ASTM F1292): GMAX: 173 | HIC: 717 | Height Rating 18"
- E. Athletic Performance Properties (ASTM F2772):
  - a. Force Reduction: 13.1% | Class 1
  - b. Vertical Deformation: 1.0 mm | Class B
  - c. Ball Rebound (Basketball): 97.1% | Passed
  - d. Surface Finish Effect: 96 BPV | Passed
- F. Vertical Rebound Characteristics (ASTM F2117-10) 97.1%
- G. Rolling Load (ASTM F2753): 0.007-inch indentation over 1000 cycles (400lbs)
- H. Horizontal Flammability (UL 94): 36.37mm / minute

## **PART V - EXECUTION**

### **5.01 Installation**

- A. VersaCourt court tile
  - a. Court tiles will be installed according to pre-approved layout.



- b. Court tiles will be installed and/or supervised according to manufacturer's specifications by an authorized, factory trained dealer or representative.
- B. Game line painting
  - a. Floor surface shall be clean, dry and free of debris.
  - b. Game lines shall be painted using a proprietary adhesion promoter and 2-Part polyurethane base, marine grade paint is required.

## **5.02 Maintenance**

- A. Maintenance Procedure
  - a. It is recommended to keep the surface free of leaves, limbs, and grass clippings by using a leaf blower. Every 2-3 years it may be necessary to pull the tile up and sweep out any dirt or debris that may have accumulated under the tile.