



VersaCourt Pro Maple 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 or other approved base material.
 - b. Preparation of base to provide a smooth 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 indoor flooring is covered under a limited 15-year warranty by the manufacturer for any defects in materials and workmanship.

2.02 Installers

- A. Installer shall provide a one (1) year warranty on their 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 tray, closed profile with commercial grade vinyl inlay that is pre-assembled 9-tile sheets.
 - b. Size – 12" x 12" x 0.5" (30.48 cm x 30.48cm x 1.27cm)
 - c. Material – Specially blended high impact polypropylene copolymer tray to insure protection against plastic deterioration. Commercial grade vinyl inlay adheres to the tray.



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- d. Manufacturer recommends a 2mm rubber underlayment be used between tile and subsurface (concrete slab).
 - e. Surface Texture – Specially designed flat top provides a high grip playing surface. NOTE: Plastic Pro tiles can become slippery when moisture is present on the surface.
 - f. 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.
 - g. Colors – Standard light maple wood look
 - h. Support Structure – Grid pattern under structure with 196 individual square cells.
 - i. Weight – 1.15 lbs.
- B. VersaCourt court ramp
- a. Description – An injection molded; high impact plastic ramp provides a finished edge to the perimeter of the surface.
 - b. Size – 12" x 2.75" x 0.5" thick
 - c. Material – Polypropylene Copolymer
 - d. Surface texture – Smooth
 - e. Tile Interlocking Mechanism – Same as tile
 - f. Colors – Black, Emerald Green, Graphite, Olive Green, Titanium, Yellow, Orange, Royal Blue, Bright Red, Navy Blue.
 - g. Support Structure – Same as tile
 - h. Weight – 0.15 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. Athletic Performance Properties (ASTM F2772):
 - a. Force Reduction (F2569): 11.9% | Class 1
 - b. Vertical Deformation (F2157): 0.9 mm | Class B
 - c. Ball Rebound (Basketball): 97% | Passed
- B. Vertical Rebound Characteristics (ASTM F2117): 98%
- C. Taber Abrasion (ASTM 4060): Wear Through (2,400 Cycles), Weight Loss (181 mg).
- C. Resistance to indentation (EN 1516) After 24 hours .102 mm | Pass



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- A. Phillips Rolling Coaster Test: Product was subject to 25,000 cycles of a random rolling load pattern weighing 150 pounds. The material remained fully intact and engaged with no deformation or degradation caused by heavy traffic.
- B. Critical Radiant Flux (ASTM E 648): Meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101.
- C. Smoke Density (Flaming) Standard Test (ASTM E662): Passes the requirements of 450 or less.
- D. Smoke Density (Non-Flaming) Standard Test (ASTM E662): Passes the requirements of 450 or less.
- E. Dimensional Stability After Exposure to Heat (ASTM F2199): .016 inch curl when exposed to 80 degrees Celsius (176 degrees Fahrenheit) - meets standard.
- F. Behavior Under Rolling Load (EN 1569): No damage or cracking after 300 cycles with 50N weight load
- D. Relative Abrasiveness (ASTM F1015): 20

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. Flooring contractor shall provide detailed care and cleaning procedures.
 - b. Flooring contractor shall provide a list of materials needed for proper care and maintenance of floor.
 - c. Flooring contractor shall provide a recommended tool for disassembly and reassembly.