



SPECIFICATIONS

Court Flex® « Advance » Modular Sport Court Tile

Part I – 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, and maintenance instructions for the flooring system.

B. Related Work Specified Elsewhere

1. Installation of concrete, asphalt, or other base material.
2. Preparation of base to provide a semismooth surface finish with tolerances of (+) or (-) 1/4" in any 10' radius.
3. Membrane waterproofing as determined by the project engineer.

Part II – Warranties

2.01 Manufacturer's Limited Warranty

A. Court Flex game tiles shall be warranted by the manufacturer for any defects in materials and workmanship for a period of 10 years from the date of purchase as set forth in the manufacturer's standard limited warranty.

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. Court Flex Advance Game Court Tiles

1. Description – An injection molded with 16 injection points injected, high impact plastic tile supplied in preassembled 4 X 4 units sheets.
2. Size – 10" x 10" x 3/4" thick
3. Material – Specially blended high impact polypropylene copolymer. UV, anti-static, anti-fungal and moisture additives are molded into each tile to in sure protection against color fade and plastic deterioration.

4. Surface Texture – Specially designed open grid that provides a special grip surface in all weather conditions.

5. 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.

6. Patone Scala Colors – available colors are: blue : 293, 294, 295 purple : 260, green : 347, 350 red : 484, brown : 485, yellow : 109, orange : 021, beige : 727, gray : 429

Possibility of all other Pantone scala color numbers on request.

7. Support Structure – Each tile is supported by 156 cross posts. This provides a stable base while at the same time vertical flex.

8. Weight – 180 gramm

C. Line Stripe Painting

1. Primer- used to promote adhesion between the tile surface and the paint.
2. Paint – used to mark the playing lines required in various sports.
3. Logos – Custom logos may also be painted onto the surface of the tile.

Part IV – Physical Properties

4.01 Material Test Results

- A. Rockwell hardness (ASTM D 785): 74
- B. Heat Deflection @ 66 psi (ASTM E 648): 195
- C. Flaming at 1000mm (ASTM E 648): 4 min 45s
- D. Auto-ignition temperature (ASTM D-1929): 980°F
- E. Vicat softening point (ASTM D-1525): 260°F
- F. Low Temperature Brittleness (ASTM D-2137): -25°F

- G. Coefficient of Linear Thermal Expansion, (ASTM D-696, E-831): 63 x 10⁻⁶ (in/in)/°F
 - H. E-Modulus (ASTM D-5418) 126,000 psi (850MPa)
 - I. Flex Modulus (ASTM D-790) 122,000 psi
 - J. Tensile Yield Strength (ASTM D-638) 3,300 psi
 - K. Elongation at Yield (ASTM D-638) 18%
 - L. Notched Izod (ASTM D-256) 15 ft-lb / in at 20°C
- 4.02 Product Test Results
- A. Flame Spread Index (ASTM E-162): 4 min. 30 sec.
 - B. B. Smoke Development (ASTM E-162): 1 min. 46 sec.
 - C. Radiant Panel (ASTM E-84,162,648): .12 Watts/cm²
 - D. Friction Test (ASTM C-1028): Dry<.71, wet<.52
 - E. Compression vs. Crush (ASTM D-3998): No Break
 - F. Noise Reduction Coefficient (ASTM C-423): 25%
 - G. Rolling Load (DIN 18032): Good
 - H. R-Value: < 1.0
 - I. Flatness: ± 1.5mm
 - J. Load Bearing Capacity: 180 psi

Part V – Execution

5.01 Installation

- A. Court Flex Advance Game Tile
 - 1. Game tiles will be installed according to pre-approved layout.
 - 2. Game tiles will be installed and/or supervised according to manufacturers specifications by an authorized, factory trained dealer or representative.
- B. Game line painting
 - 1. Floor surface shall be clean, dry and free of debris.
 - 2. Lines shall be primed using Klean Strip's Bulldog adhesion promoter and then painted using Beger Acrolon polyurethane paint.

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5.01 Installation

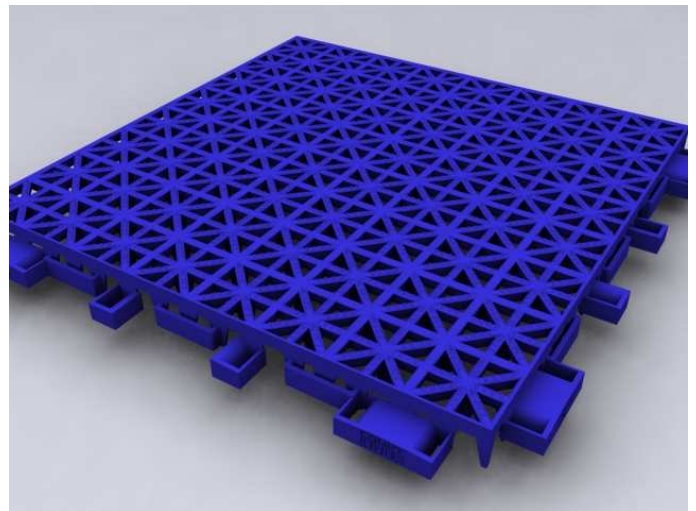
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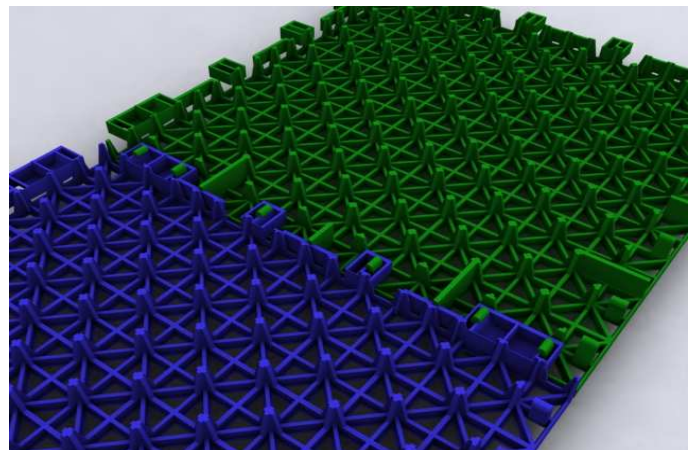
5.02 Maintenance

A. Maintenance Procedure

- 1. 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.



Court Flex Advance Modular Sport Tile



Court Flex® „Advance“ Modular Sport Tile (backside)