

# REVOLUTION TUFFSHIELD<sup>®</sup>

## Specifications

### General

#### DESCRIPTION

- Complete installation of flooring system including interlocking suspended flooring modular tile and the application of game lines and transition materials.
- Related work specified under other sections.
  - Installation of rubber underlayment subfloor
  - Thresholds and cove base transitions
  - Game lines and equipment

#### QUALITY ASSURANCE

- Manufacturer of synthetic flooring shall be an organization specializing in the manufacturing of the products specified in this section.
- Manufacturer shall be ISO 9001:2008 Certified to assure proper quality control.
- Products specified in this section shall be installed and/or supervised by an authorized factory trained representative.
- Installer shall be liable for all matters related to the installation of the products described herein for a period of not less than one year from the date of installation.

#### SUBMITTALS

- Specification sheets for products proposed for submission.
- Submit a sample of specified flooring system showing color and underlayment system.
- Maintenance program and specifications shall be submitted upon completion of installation.

#### DELIVERY AND STORAGE

- General contractor shall provide a clean and dry area where the materials can be stored until time of installation.
- Material shall not be delivered on site until all related work is completed and proper storage facilities can be secured.



**Dimensions:** 12" x 12" x 5/8" (304.8 mm x 304.8 mm x 15.9 mm)

**Weight:** 15 oz. (425.25 g)

#### WORKING CONDITIONS

- Synthetic materials shall not be installed until all other trades are completely finished in the synthetic flooring areas.
- Permanent heat, light and ventilation shall be installed and operating prior to the installation of the synthetic flooring materials.

#### WARRANTY

- SnapSports<sup>®</sup> warrants that the materials supplied shall be free from manufacturing defects as outlined in the limited warranty.
- This warranty is expressly limited to the synthetic flooring materials supplied by SnapSports. This warranty does not cover damage caused by fire, winds, floods, moisture, chemicals (other than those used for maintenance specified by manufacturer) nor does it apply to damage caused by ordinary wear, misuse, abuse, neglect, faulty building construction faulty subsurface or site preparation, or unprofessional installation.

## Products

### MATERIALS

- SnapSports Revolution TuffShield® suspended modular flooring
  - Solid top design shall be 12" x 12" x 5/8" (304.8mm x 304.8mm x 15.9mm), high impact PP (polypropylene) suspended floor tile with 64 individual impact zones. Patented Proprietary In-Mold Protective Coated Surface Layer. Weight: 15 oz. (425.25g).
- Recycled rubber underlayment System
  - Having a thickness of either 2mm or 3mm, depending on athletic application and a density of 60 pounds per cubic foot.
  - Material shall be 48" wide and 50' in length. Seams will be taped together using a suggested tape.
- Game Line Striping
  - Paint shall be a two-component polyurethane as recommended by SnapSports, Inc.

### PRODUCT TEST RESULTS

- Flame Spread Index (ASTM E 84): 90
- Smoke Generation (ASTM E 84): 90
- Friction (ASTM C 1028): Dry – 0.77, Wet – 0.54
- Compression vs. Crush (ASTM D 3998): No Break
- Noise Reduction Coefficient (ASTM C 423): 5 - 10%
- Rolling Load (DIN 18032-02): Pass
- Force Reduction (ASTM F2772): Class 1
- Standard Deformation (DIN 18032-02): 0.9mm
- Ball Rebound (DIN 18032-02): 98%
- Load Bearing Capacity (DIN 18032-02): >250 psi
- R-Value:  $x < 1.0$
- Flatness: 0.0mm
- Lateral Movement: 0.00" – 0.025"

### SANITARY INFORMATION

- Fungus Resistance (ASTM G 21): No Growth
- Resistant to the following:
  - Bacteria and Mildew
  - Staphylococcus
  - Klebsiella Pnuemoniae
  - Pink Staining Organism
  - STV Reticulum
- Tested and Certified by the NSF (National Sanitation Foundation)

## Execution

### INSPECTION

- Inspect concrete slab for proper tolerances, dryness and level. Any discrepancies must be reported in writing to the general contractor.
- Concrete slab to be broom cleaned prior to installation of synthetic flooring and underlayment system.
- Installer shall document all working conditions prior to the commencement of the installation.

### INSTALLATION

- Prep concrete to accommodate the synthetic flooring underlayment and flooring products.
- Unroll rubber underlayment and allow to relax prior to installation. When unrolling the underlayment, allow a 1/8" gap between rolls and secure the seams every 15' – 20' with duct tape or an all-purpose tape. Rubber should be trimmed and fitted to size of the room.
- Install synthetic flooring products to a pre-approved layout.
- Trim modular tiles to within 3/4" to any wall or obstruction to prevent any potential buckling issues.
- Game Line application
  - Use only 3M 401+ tape for masking game lines or any other tape that is approved by flooring supplier.
  - Lines shall be painted using recommended two part polyurethane paint as indicated on layout drawings.
- Wall cove base (*optional*) should be adhered to wall with a manufacturer's suggested adhesive.
- Remove all excess waste and materials from area of work. Dispose of empty containers in accordance with federal and local statutes.
- Keep all trades off of flooring area for a period of 72 hours to allow for proper paint cure.



1-800-664-3865 | [www.snapsports.com](http://www.snapsports.com)  
2330 California Ave. Salt Lake City, UT 84104