



Action QuickCourt R Padded Modular Athletic Flooring

SPORTS FLOOR SPECIFICATIONS

SYSTEM SUMMARY

Action's QuickCourt R Padded modular flooring is an economical, durable, easy-to-maintain interlocking tile surface. QuickCourt R Padded flooring is made from a high-impact polypropylene that has an added compressible design system for maximum vertical shock resistance.

Contact ACTION FLOORING SYSTEMS at www.actionfloors.com or (800)746-3512 for specific project conditions or modifications of this specification.

PART 1 – GENERAL

1.01 DESCRIPTION

A. Scope:

1. Complete installation of the interlocking flooring system including the game lines and resilient underlayment material, transitions and wall base if applicable.

B. Related Sections: Cast-in-Place Concrete

1. The general contractor shall provide a level slab, steel troweled to a tolerance of 1/8" (3mm) in a 10'0" (3m) radius and subject to the approval of the floor contractor.
2. Moisture barriers must be adequate for conditions.
3. Action Flooring Systems, LLC does not acknowledge the use of FF/FL numbers to measure levelness/flatness tolerances in gymnasium concrete slabs.
4. Leveling compound to correct minor subfloor cracks, grooves, voids, depressions, or other deviations.

1.02 QUALITY ASSURANCE

A. All system component parts must be supplied by Action Floor Systems, LLC.

B. Manufacturer shall be an established firm experienced in field and have been in business a minimum of ten (10) years.

C. Manufacturer shall be ISO 9001:2008 Certified to assure proper quality control.

D. Flooring system shall be independently tested and meets or exceeds athletic performance requirements as specified. Independent testing laboratory shall have Scientific Body Membership in the International Association of Sports Surface Sciences (ISSS).

E. The complete installation of the flooring system as described in these specifications shall be carried out by an experienced installer (Flooring Contractor) as approved by Action Floor Systems, LLC.. The work shall be performed in accordance with current installation instructions. The installer shall be liable for all matters related to the installation of the products described herein for a period of not less than one (1) year from the date of installation completion.

1.03 SUBMITTALS

A. Manufacturers product data: Submit **Action's QuickCourt R Padded** specification sheets.

B. Samples: Submit one (1) sample of **QuickCourt R Padded**, if requested by architect.

C. Maintenance literature: Submit one (1) copy of manufactures maintenance instructions.

1.04 DELIVERY, STORAGE AND HANDLING

A. Flooring contractor shall not deliver material to the job site until the work of the other trades has been completed in the gymnasium or room.

B. All Action QuickCourt materials should be acclimated to the jobsite conditions for a minimum of 24 hours prior to beginning the installation. Store and secure all materials on a flat and dry surface.

1.05 WORKING CONDITIONS

- A. The flooring shall not be installed until all masonry, plastering, tile, marble and terrazzo work is completed, and overhead mechanical trades and painters have finished in floor area. The building must be reasonably dry; all openings must be closed in; permanent lighting, heating and air conditioning installed and operating.
- B. The concrete slab shall be dry, free of foreign materials, and turned over to the flooring contractor broom clean. Moderate room temperature between 65-85 degrees F(20-29 degrees C) shall be maintained a week preceding and throughout the duration of the work.
- C. The installation area shall be closed to all traffic and activity for a period to be set by the flooring contractor.

1.06 WARRANTY

- A. Action Floor Systems, LLC. warrants the material supplied to be free from manufacturing defects for a period of sixteen (16) years as set forth in the manufacturer's standard warranty. The exclusive remedy under this warranty shall be replacement of defective material supplied by Action Floor Systems, LLC. or correction of defective installation by the flooring installer for a period of one (1) year. All implied warranties of merchantability or fitness for intended use are limited to the period of this warranty. This warranty excludes consequential damages.
- B. This warranty does not cover damage caused by fire, winds, floods, chemicals, or other abuse, or by failure of other contractors to adhere to specifications. This warranty also excludes damage to floors due to ordinary wear and tear, misuse, abuse, neglect, faulty construction of the building, (other than the flooring installation), separation of the concrete slab underlying the floor, settlement of the walls, or unprofessional installation.
- C. Installer (Flooring Contractor) shall warrant installation for a period of one (1) year after the floor has been substantially installed and completed.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Flooring shall be Resilient Multipurpose Surface Action QuickCourt R Padded suspended modular flooring.
 - 1. Solid top design shall be 12" x 12" x 5/8" (304.8mm x 304.8mm x 15.9mm), high impact polypropylene suspended floor tile with 64 individual impact zones. Weight 15 oz. (425.25g).
 - 2. Cushioned understructure system shall be 0.655" x 0.958" O.D. (16.63mm x 24.32mm O.D.) flexible high impact thermoplastic polyolefin with sixteen (16) individual impact zones. Weight: 0.15 oz. (5.0g) each.
 - 3. Standard tile colors as stated on color card.

- B. Game line paint as approved by Action Floors Systems. Colors are to be selected from the approved color card.

C. Material Test results:

1. Flame Spread Index	ASTM E84	90
2. Smoke Generation	ASTM E662	90
3. Friction	ASTM C1028	Dry 0.77, Wet 0.54
4. Compression vs. Crush	ASTM D3998	No Break
5. Noise Reduction Coefficient	ASTM C423	5-10%
6. Force Reduction	DIN 18032-2	22%
7. Rolling Load	DIN 18032-2	Pass

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8. Standard Deformation	DIN 18032-2	0.9mm
9. Ball Rebound	DIN 18032-2	96%
10. Load Bearing Capacity	DIN 18032-2	>250 psi
11. R-Value		X<1.0
12. Flatness		0.0mm
13. Lateral Movement		0.00"- 0.025"(0.00-0.635)
D. Sanitary Information:		
1. Fungus Resistance	ASTM G21	No Growth
2. Resistant to the following:		
a. Bacteria and Mildew		
b. Staphylococcus		
c. Klebsiella Pnuemoniae		
d. Pink Staining Organism		
e. STV Reticulum		
3. Tested and Certified by the National Sanitation Foundation (NSF).		

PART 3 – EXECUTION

3.01 INSPECTION

- A. Inspect concrete slab for proper tolerance and dryness reporting any discrepancies in writing to the general contractor.
- B. All work to put the concrete slab in acceptable condition shall be the responsibility of the general contractor.
- C. Verify with the general contractor, that the concrete subfloor, on or below grade, is adequately waterproofed beneath the slab and along the perimeter with a suitable approved barrier system. The vapor barrier must be placed in contact with the concrete slab and installed with strict accordance with the vapor barrier manufacturer's instructions. It is the responsibility of the engineers to determine the extent of these needs.

3.02 SUBFLOOR PREPERATION

- A. Sweep the concrete slab so as to remove all dirt and dust. If a sweeping compound is to be used it must be a sweeping compound that does not contain oil.

3.03 INSTALLATION

- A. The installation area shall be closed off to all traffic and activity for a period to be set by the flooring installer.
- B. Install the flooring as provided by a pre-approved lay-out and current installation instructions.
- C. Trim modular tiles to within 3/4" of any walls or vertical obstructions for expansion.
- D. Apply game line paint per manufactures instructions. Apply game lines accurately using the current rules of association having jurisdiction. Use only 3M 2090 or approved tape for masking game lines. Lines shall be primed and painted using Action Floor Systems primer and recommended two-part polyurethane paint as indicated by approved drawings. Lines shall be straight with sharp edges in colors selected from approved color chart.
- E. Transition edging should be attached to edge of court where applicable.
- F. Do not allow any traffic on floor for a period of 72 hours for proper cure time of game line paint.

3.04 BASE INSTALLATION

- A. Affix base to wall with recommended adhesive or fasteners. Miter all corners carefully. Install transitions and appropriate threshold plates as required.

3.05 CLEAN UP

- A. Clean up all unused materials and debris and remove from premises, properly dispose of all waste materials.
- B. Clean Action QuickCourt in accordance with the manufacturer's instructions.
- C. Protect all installed floors until the project is completed.

3.06 MAINTENANCE

- A. Upon completion of floor installation, the owners, attendants or individuals in charge and responsible for the upkeep of the building are to see that the care and maintenance instructions are followed. Failure to do so may void warranty.

NOTICE:

IT IS THE POLICY OF ACTION FLOOR SYSTEMS, LLC. TO CONTINUOUSLY UPDATE AND IMPROVE OUR PRODUCT LINES. THEREFORE, WE RESERVE THE RIGHT TO CHANGE, MODIFY OR DISCONTINUE SYSTEMS, SPECIFICATIONS AND ACCESSORIES OF ALL PRODUCTS AT ANY TIME WITHOUT ANY NOTICE OR OBLIGATION TO ANY PURCHASERS.