

PREMIUM SYNTHETIC SPORTS FLOORING



Exclusive!

Environmentally friendly, water-based top coat,
totally solvent-free – polyurethane system.



2007



The 'greenest' synthetic polyurethane floor on the market.

In response to the ever-growing demand for environmentally friendly products and to meet the requirements of "green" building initiatives, Action Floor Systems, LLC is proud to be the only manufacturer in America offering a completely solvent-free synthetic polyurethane multipurpose floor system.

Totally solvent-free – from bottom layer to top coat – Action Herculan® features an exclusive, water-based non-toxic top coat (free of volatile organic compounds - VOCs), with no residual fume issues to contend with. And since Herculan requires no masks or building evacuation during installation and drying, project scheduling is smoother and disruption of activity in occupied facilities is minimized.

Multipurposing made easy.

With the performance and safety qualities athletes need, and the toughness to handle

anything from pancake breakfasts to pep rallies to graduation ceremonies, a Herculan polyurethane floor is a cost-effective solution for many applications.

Herculan is an ideal choice for churches, primary and secondary schools, university field houses, health and athletic clubs and civic facilities. This dual-durometer floor provides high uniformity of play and is extremely durable, with excellent tear and tensile strength. A DIN-certified version is available in Herculan PE.



HERCULAN RT SYSTEM

Poor-quality floor? Pour a quality floor.

A quick, cost-effective upgrade and beautiful facelift! Overpour an old, worn urethane or sheet-style floor with highly durable Action Herculan RT self-leveling synthetic polyurethane.

Installation is straightforward and quick drying time typically allows the new surface to be ready for use in a matter of a few days.



BEFORE RESURFACING

AFTER RESURFACING

- HIGH-PERFORMANCE, MONOLITHIC, NON-POROUS, MULTIPURPOSE FLOOR.
- 2-MILLIMETER-THICK, HIGH-QUALITY, SEAMLESS URETHANE WITH WATER-BASED TOP COAT.
- UNSURPASSED ADHESION AND WEAR RESISTANCE.
- AVAILABLE RANGE OF THICKNESS: 6mm-16mm.
- SYSTEMS AVAILABLE FOR MULTIUSE OR SPECIFIC APPLICATIONS, INCLUDING TENNIS, ROLLER HOCKEY, AND SPIKE RESISTANCE.
- DIN-CERTIFIED HERCULAN SYSTEMS ARE AVAILABLE.

- 1 EXCLUSIVE WATER-BASED URETHANE TOP COAT — NO VOLATILE ORGANIC COMPOUNDS
- 2 SELF-LEVELING POLYURETHANE COATINGS
- 3 SEAL COAT
- 4 RECYCLED GRANULAR RUBBER BASE MAT

HERCULAN MF



Our green floors come in 16 standard colors.

Colors shown are for illustrative purposes only. Actual product colors may vary.
Custom colors available by special order.



ACTION REFLEX™ SYSTEM

In keeping with our commitment to sustainable manufacturing and the environment, Action offers ReFlex™ recycled rubber athletic flooring.

A product of the latest technology, Action ReFlex blends the highest quality raw materials into an extremely durable, resilient surface designed for high-abuse environments. An ideal choice for weight rooms, fitness suites, hallways and locker rooms.

A wide variety of color combinations and options are available to complement any decor.

Action ReFlex is available in individual and interlocking tiles (36"x36") and continuous rolls (48" standard width), and in three thicknesses (1/4", 3/8", 1/2") to meet your specific needs.

- DURABLE, HIGH-IMPACT FLOORING FOR USE IN EXTREME-WEAR SITUATIONS
- SCUFF/STAIN RESISTANT
- NON-SKID SURFACE
- SPIKE/BLADE RESISTANT
- SHOCK ABSORBENT
- EASY INSTALLATION

1.01 GENERAL DESCRIPTION

A. A dual durometer multipurpose floor system comprising a rubber base mat laid in adhesive and a two-component polyurethane surface that is field applied in a seamless monolithic application.

1.02 QUALITY ASSURANCE

A. All system component parts must be supplied by Action Floor Systems, LLC of Mercer, WI.
B. The flooring contractor must be approved by Action Floor Systems, LLC of Mercer, WI.

1.03 WORKING CONDITIONS

A. Synthetic materials specified herein shall not be installed until all necessary masonry, painting, plaster, tile, marble and terrazzo work is completed, and overhead mechanical trades, and painters have finished in the synthetic floor area. The building must be reasonably dry; all openings must be closed in; permanent heating and air conditioning installed and working before, during and after installation.
B. The general contractor/owner shall provide an area where the stored materials can be maintained at a minimum of 65 degrees and under 80% relative humidity. Ideal installation and storage conditions are the same as those that will prevail when the building is occupied.
C. Others will provide a concrete subfloor to the flooring contractor, finished, steel troweled, and level to 1/8" in any ten-foot radius. High spots shall be ground level and low spots filled with an approved leveling compound. No concrete curing or hardening agents shall be applied to the concrete subfloor. The concrete shall be clean, flat, dry, and free from dirt, dust, oil, grease, paint, alkali, and concrete curing agents, hardening and parting compounds, old adhesive residue, or other foreign materials.
D. Flooring installation shall not begin until all subcontract work that would cause damage, dirt, dust, or interruption of normal installation. The installation area shall be closed to all traffic and activity for a period to set by the flooring contractor.
E. ENVIRONMENTAL LIMITATIONS

1. Comply with requirements of athletic flooring material suppliers.
2. Adhere to all MSDS requirements for materials. Protect all persons from exposure to hazardous materials.
3. Protect the work during and after the installation process, until acceptance by the owner or agents.

1.04 WARRANTY

A. Action Floor Systems, LLC warrants the material it ships to be free from defects in materials and workmanship for a period of one (1) year, and the flooring contractor warrants the installation of the flooring to be free of defects in materials and workmanship for a period of one (1) year. The exclusive remedy under this warranty shall be replacement of defective material by Action Floor Systems, LLC or correction of defective installation by the flooring contractor. All implied warranties of merchantability or fitness for intended use are limited to the period of 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, or neglect of reasonable precautions to provide adequate ventilation during hot, humid weather. This warranty also excludes damage due to excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall or any other source. This warranty also excludes damage to floors due to ordinary wear and tear, faulty construction of the building (other than the flooring installation), separation of the concrete slab underlying the floor, settlement of walls or use of unapproved cleaners or sealers on the floor.

2.01 MATERIALS

A. All polyurethane components shall be supplied by Action Floor Systems, LLC.
B. HERCULAN BASE MAT ADHESIVE (UN 700) two-component urethane, shall bond rubber base mat to concrete, asphalt or wood. It shall be applied at a rate of approximately .2 lbs/cubic foot minimum.
C. HERCULAN BASE MAT
1. Base mat shall be prefabricated rubber mat made of all recycled rubber granules bound with MDI polyurethane and a constant thickness. The base mat shall have a density of 45 lbs/cubic foot minimum.
2. Standard base mat thickness shall be 6mm. Other thicknesses available are 4mm, and 9mm for certain applications.
D. HERCULAN SEAL COAT (EG 120) two-component, thixotropic polyurethane compound applied at a rate of 0.18 lbs/cubic foot.
E. HERCULAN TROWEL COAT (EX 800) two-component, pigmented, self-leveling polyurethane compound applied monolithically over the base mat to a 2mm thickness. Color to be manufacturer's standard color.
F. HERCULAN WEAR COAT (PU 145) two-component polyurethane applied at a rate of 0.03 lbs/square foot. Colors to be selected from manufacturer's standard color chart.
G. Game line paint shall be HERCULAN two-component polyurethane.

3.01 EXECUTION

A. Concrete shall be clean and free of sealers, dirt, oil, paint, and any material that, in the opinion of the flooring installer, will adversely affect the HERCULAN material bonding to the concrete or the overall installation (refer to 1.03 Working Conditions).
B. Mix the two-component polyurethane adhesive and apply directly to the concrete subfloor at the specified rate with the specified notched trowel.
C. Immediately unroll pre-relaxed mat into freshly applied adhesive.
D. Roll base mat with heavy flat roller.
E. Thoroughly mix two-component trowel coat. Apply two coats of scratch coat to rubber base mat with a flat steel trowel. Allow each coat to cure before proceeding to the next application. After second coat has cured, inspect base mat for ridges and voids. Sand down ridges, and fill voids as needed.
F. Thoroughly mix two-component scratch coat. Apply mixed material using recommended notched trowel, or notched squeegee to a thickness of 2mm. Materials must be applied continuously to create a seamless surface. Allow top coat to cure before proceeding to the next step. Repair any imperfections in the finished surface. Clean floor with a vacuum, broom, or dry dust mop. Tack clean prior to proceeding.
G. Thoroughly mix two-component polyurethane wear coat. Apply wear coat with a high-solvent-resistant paint roller at the specified rate, or by airless spray application. Allow wear coat to cure before applying game lines.
H. Using the highest quality masking tape, tape the floor. Thoroughly mix the two-component game line paint, and paint between the tape. Remove all tape prior to the paint curing.

FOR A FREE COPY OF ACTION FLOOR'S "SPORTS FLOOR SPECIFICATION GUIDE" OR FOR TECHNICAL ASSISTANCE OR CUSTOM SPECIFICATIONS, CONTACT OUR GENERAL OFFICE OR YOUR NEAREST DISTRICT OFFICE:

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