

MARTIN SURFACING, INC.

INDOOR AND OUTDOOR SYSTEMS

VERSATURF 360 Monolithic Urethane Floor System

The MARTIN advantage...

- **Since 1974** MARTIN has been customizing athletic surfacing to both your *needs* and *budget*.
- **SINGLE SOURCE**... designs, manufactures and installs.
- **FULL RANGE**... designs synthetic surfaces tailored to usage specifications in a variety of thicknesses, textures and resilience.
- **WIDE SPECTRUM**... offers in addition to gymnasium, fieldhouse and track surfaces -- flooring systems ideal for weight rooms, aerobic areas and equine centers.
- **RESURFACING**... has the capability to resurface a variety of synthetic surfaces.
- **VARIETY**... provides a full range of high performance products including the finest in wood flooring and racquetball/squash court systems.
- **WORLDWIDE**... offers engineering and installation capability.

SPECIFY VERSATURF...

- **VERSATILITY** **VERSATURF** is a complete multipurpose floor from basketball and track to conventions and commencements.
- **DURABILITY**... is seamless and is firmly bonded to sub-surface.
- **REDUCED MAINTENANCE**... utilizes a tough pigmented urethane protective finish, minimizes scuffing, wear and dirt penetration.
- **SAFETY**... affords greater protection against impact injury, never hardens or shrinks and provides outstanding traction.
- **APPEARANCE**... stays looking new, longer. Full range of decorator colors available.
- **ECONOMY**... is a high quality product with a competitive price.

VERSATURF 360 Monolithic Floor System Specifications

SCOPE

The complete installation of the Versaturf "360" urethane synthetic floor surfacing from the

priming of the concrete slab and the placing of the poured-in-place urethane resilient floor surfacing through the application of game lines and finish is included under the synthetic flooring branch of work. Areas included are as shown on drawings and in the Room Finish Schedule.

INSTALLATION PROCEDURES AND CONDITIONS

General: All Versaturf "360" installations shall be accomplished by experienced installers in accordance with Martin Surfacing Inc. recommended procedures.

Vapor Proofing: If a water vapor and/or free water problem is anticipated, an adequate moisture barrier should be provided under the slab and up adjacent walls. If any possibility of excessive water vapor or free water exists below or on grade, a 1/8" thick Premoulded Membrane equal to W.R. Meadows, Inc., of Elgin, Illinois, or other appropriate measures should be utilized. The presence of excessive water vapor or free water between the Versaturf flooring system and the slab surface shall be considered a design or construction deficiency and not covered by the warranty. This membrane shall be installed in accordance with manufacturer's recommendations and shall be the responsibility of the General Contractor.

Dryness: A minimum drying time of 45 days after the concrete slab is poured shall be observed prior to the commencement of the installation of Versaturf "360" urethane synthetic floor surfacing. The building shall be dry and closed in and work shall not commence until the completion of plastering, terrazzo and any other wet-trade work. Room temperature shall be maintained at a minimum level of 70°F. for two weeks before and during the entire installation. Relative humidity level of no greater than 70% shall be maintained during application of Versaturf "360" materials and at least eight hours after completion of each process. Reduction of room dampness or R.H., if required, shall be the responsibility of the General Contractor using heat, ventilation, and fans, and/or air conditioning. Moisture content of the concrete receiving surface shall be checked at time of installation to establish adherence to dryness requirements.

Concrete Surface: The concrete surface condition shall be the responsibility of the General Contractor. The surface shall be steel trowelled and shall be completely free of oil, dust, dirt, paint, grease, old adhesives and bond breakers or other foreign substances which will interfere with the adhesion of the synthetic flooring to the concrete slab. Concrete which is flaking or has spalled shall be ground to a sound surface.

(Note: Any form of lightweight or insulating concrete prepared through the use of lightweight aggregate, volcanic ash, or emulsions is not acceptable, and a one inch topping of regular concrete must be placed over this type of lightweight or insulating concrete. Use a recommended bonding agent to adhere the cap coat of concrete to the basic slab.)

Concrete Levels: Variations in concrete slab levels shall not exceed 1/8" in ten feet, and the slab depression shall correspond with the thickness of synthetic flooring specified by the Architect. Any required leveling work shall be done by the General Contractor who shall grind down high spots and fill low spots using urethane leveling materials or an approved latex underlayment adhered with a concrete bonding agent, both as approved by Martin Surfacing, Inc. A representative of the installer shall inspect the concrete surface designated to receive Versaturf "360" flooring and indicate any areas requiring corrections to achieve the required levelness. Acceptance of concrete receiving surface for adherence to surface tolerance and dryness requirements shall not be construed as acceptance of the design or construction integrity of the substrate or the work of any other trades relating to the construction of the building.

Priming: After concrete has been cleaned and dried, apply one coat of Versaturf "360" Primer so

that the surface is thoroughly wet, but no puddles are left standing.

Pouring: Versaturf "360" urethane synthetic floor surfacing materials shall be applied using a poured-in-place technique to achieve a monolithic surface to the maximum extent possible. Colors shall be as specified, and thickness of material shall average ___ (specify 1/8", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 1").

Finishing and Games Lines: After flooring has cured, apply Versaturf "360" pigmented urethane finish as supplied by Martin Surfacing, Inc. Game lines shown on drawings shall be applied in colors of the Architect's selection.

Protection: No other trades shall be permitted in the area designated to receive Versaturf "360" urethane synthetic floor surfacing from the time of application of the concrete sealer until ten days after the application of the final coat of surface finish. Protection of the finished floor until accepted by the Owner shall be the complete responsibility of the General Contractor. No smoking, open flame, or sparking from electrical outlets or telephones or electric motors shall be permitted in the area during application of primer, floor surfacing material, or finishing materials. All trades using scaffolding, fork trucks, etc. shall be finished before commencement of installation of Versaturf "360".

MATERIALS

General: All materials utilized in the installation of the Versaturf "360" Floor System shall be as supplied by Martin Surfacing, Inc., Hunt Valley, MD.

Minimum Physical Properties

1. Weight: Approximately 0.81 lb./sq. ft. per 1/8" thickness
2. Tensile Strength Range: From 400 PSI to 600 PSI
3. Hardness Range: 50-60 Shore A-2, typical
4. Temperature Stability: Essentially unaffected from 0°F. to 120°F.
5. Density: 1.25 to 1.30
6. Moisture Absorption: 0.8% to 1.05% by weight
7. Compression Set: 98% immediate recovery after 72 hours @ 50% compression at 72°F.
8. Compression Properties: 30 to 60 PSI @ 10% deflection
9. Ultimate Elongation: 250% to 350%
10. Fungus Resistance: Complete

VERSATURF "360" GUARANTEE

Any Versaturf "360" flooring which is found to be defective as a result of faulty materials and/or workmanship will be replaced or repaired at no charge upon receipt of notification in writing within a period not to exceed one year from date of installation.

Seller and manufacturer shall replace or repair such quantity of the product as is proven to be defective. IT IS EXPRESSLY UNDERSTOOD THAT THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. It is the responsibility of the purchaser to inform users of the product of the proper uses of the product and of other third persons.

The presence of excessive water vapor or free water between the slab surface and the complete flooring system shall not be covered by the warranty and will be considered to be a design or construction deficiency.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officer of seller and manufacturer.

*Outdoor/spike resistant specifications on request.

Martin Surfacing Inc. is a 100% United States owned and operated corporation.

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