

TotTurf® SPLASH TREAD

Product Specification

PART 1 – GENERAL

1.1 POURED IN PLACE PLAYGROUND SURFACING

TotTurf® Splash Tread poured in place playground surfacing shall consist of a 2-part binder mixed with Polyolefin TPE pellets which will make up the safety surface. Robertson Recreational Surfaces surface comply with ADA and CPSC guidelines as well as ASTM Standards.

1.2 PERFORMANCE REQUIREMENTS

- A. Area Safety: Splash Tread poured in place surfacing within the splash pad use zones shall meet or exceed the performance requirements of the CPSC, ADA and ASTM standards for scope it is intended for.
- B. Accessibility: NOTE: Children’s outdoor play areas shall be in compliance with the Uniform Federal Accessibility Standards (UFAS) FED-STD-795 and the Architectural and Engineer Instructions (9AEI) Design Criteria. The requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) 28 CFR Part 36 that provide equal or greater accessibility than the requirements of UFAS must also be met in children’s outdoor play areas.
- C. TotTurf® Splash Tread poured in place surfaces intended to serve as accessible paths of travel for persons with disabilities shall be firm, stable, and slip resistant, and shall meet the requirements of ASTM F1951-14.
- D. APPLICABLE STANDARDS:
 - ASTM C1028 Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull Meter Method – This standard replaces ASTM D2047.
 - ASTM D2859 Standard Test Method of Flammability of Finished Textile Floor Covering Materials
 - ASTM G21-09 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
- E. TotTurf® Splash Tread poured in place surfaces shall be manufactured and installed by trained, experienced company employees or certified installers who have successfully completed the “Certified Installers Training Program” required by Robertson Recreational Surfaces.

F. Submittals: The Following shall be submitted:

1. One original hard copy, or electronic version, of the submittal package will be provided. Additional copies are available by request. All specifications/details/testing data can be obtained from your sales representative or found on the TotTurf® website www.totturf.com.
2. Products submitted as equal must include manufacturer's written specifications and warranty.
3. Manufacturer's descriptive data and installation instructions.
4. Manufacturer's details showing depths of system, sub-base materials, and edge details.
5. Upon request, a listing of at least five installations where products similar to those proposed, for use have been installed and have been in service for a minimum period of 1 year. This list shall include owner or purchaser, address of installation, date of installation, contact person, and phone number.
6. A signed statement from the manufacturer of the poured in place surfacing attesting that all materials under this section shall be installed only by the Manufacturer's Trained Installers.
7. A certificate of Insurance shall be provided by Robertson Industries, Inc. for poured in place surfacing for use as safety surfacing, covering general and product liability, of not less than \$1,000,000 for each occurrence, \$2,000,000 general aggregate, with an excess/umbrella liability of \$25,000,000. The issuing underwriter shall be AA rated. Manufacturers submitting as equal must provide a certificate of insurance equal to or greater than Robertson Recreational Surfaces
8. Upon request, samples of the proposed material for this project.

- G. Warranty: TotTurf® Splash Tread shall be guaranteed against defects in workmanship AND material for a limited three (3) year period or as specified and agreed upon per alternate contract. Warranty will be specific to maintenance requirements and performance standards of completed product.

PART 2 – PRODUCTS

TotTurf® Splash Tread shall consist of synthetic materials meeting the requirements of this specification. The type of safety surfacing shall be TotTurf® Splash Tread, manufactured and installed by Robertson Recreational Surfaces, a PLAYCORE company, Telephone 800-858-0519, or it's Certified Installers.

2.1 PRODUCT SCOPE

- A. Poured in Place Surface: The TotTurf® Splash Tread poured in place surface shall consist of Polyolefin TPE pellets mixed with a 2-part (A & B) binder.
- B. It shall consist of a uniform material manufactured in such a way that the top portion meets the requirements specified herein for wear surface.
- C. The type safety surfacing shall be a poured-in-place system and shall be indicated on the drawings.

2.2 WEAR COURSE

- A. The following Robertson Recreational Surfaces colors are available: Large pellet – Latte, Marigold, Peacock Teal, Ocean Blue. Small pellet – White, Sea Green. (see www.totturf.com for additional color mixer tool)
- B. Wear Course shall consist of Polyolefin TPE pellets with 2-part binder formulated to produce an even, uniform, seamless surface up to 2,000 square feet. (Contact sales representative for seamless pads over 2,000 square feet)
- C. Thickness of the Wear Course shall be 3/8”.
- D. The Wear Course shall be porous.

2.3 BINDER

- A. No Toluene Diphenyl Isocyanate (TDI) shall be used.
- B. No filler materials shall be used in urethane such as plasticizers and the catalyzing agent shall contain no heavy metals.
- C. Weight of polyurethane shall be no less than 8.5 lbs/gal (1.02 Kg/1) and no more than 9.5 lbs/gal (1.14 Kg/1).

MATERIALS

A. Wear Course – Splash Tread Polyolefin TPE pellets

Manufacturer: PolySoft Pty Ltd.
As Distributed by: Robertson Recreational Surfaces (800) 858-0519
Location Used: Playground Area

B. Binder – PolySoft 2-part Binder

Manufacturer: PolySoft Pty Ltd.
As Distributed by: Robertson Recreational Surfaces (800) 858-0519
Location Used: Playground Area

C. Concrete Sealer – PolySoft 2-part Epoxy

Manufacturer: PolySoft Pty Ltd.
As Distributed by: Robertson Recreational Surfaces (800) 858-0519
Location Used: Playground Area

PART 3 – EXECUTION

3.01 SITE PREPARATION (OWNER OR OWNERS REPRESENTATIVE SHALL)

- A. Finished Grade/Slope: Verify that finished elevations of adjacent areas are as indicated on the architectural or site plans, that the appropriate sub-grade elevation has been established for the particular surface to be installed, and that the subsurface has been installed per architectural, site or equipment plans while meeting accessibility requirements.
- B. Sub Base: Tolerance of concrete sub base shall be within 1/8 inch (3.0 mm) in 10 feet (3050 mm).
- C. Concrete Sub-base is to be a minimum of 3”–4” inches thick and 2500 PSI. Sub- base must cure for a minimum of 7 days; 28 days is required if adhesion to concrete is necessary.
- D. Confirm that all concrete curing compounds and other deleterious substances that might adversely affect adhesion have been removed. Surface shall be clean and dry. The contractor shall be responsible for flooding the pad to insure proper slope and drainage. Any areas holding enough water to cover a flat nickel shall be patched prior to arrival of our installation crews.
- E. Curing of Asphalt: Must cure a minimum of 14 days and must be power washed to remove excess oils.
- F. Drainage: Verify that sub surfacing drainage, if required, has been installed to provide positive drainage per architectural plans.
- G. Surfaces must be clean, free of contaminants such as grease, dirt, and existing unsound coatings.
- H. Existing concrete requires shot blast or diamond grind to achieve desired surface quality and acid wash prep prior to 2-part epoxy sealer application.
- I. Entire surface to be acid washed prior to material installation.
- J. TotTurf® Splash Tread poured in place surfacing: Components of the poured in place surfacing shall be mixed on site in a rotating tumbler to ensure components are thoroughly mixed and are in accordance with manufacturer’s recommendations. Installation of surfacing shall be seamless up to 2,000 square feet per day and completely bonded to a concrete sub base. Material shall cover all foundations and fill around all elements penetrating the surface.
- K. Wear Course: Wear Course must be Polyolefin TPE pellets. Wear surface shall be bonded to the sub base. An additional 2-part binder will be used between the sub base and Wear Course. Apply adhesive to sub base in small quantities allowing the Wear Course to be applied before adhesive dries. Surface shall be hand troweled to a smooth, even finish. Except where the Wear Course is composed of differing color patterns, pour shall be continuous and seamless up to 2,000 square feet. Diamond grinding and acid wash will be used to prep surface for proper adhesion of materials.

- L. Perimeter: For installations over existing concrete, the perimeter must be saw cut to provide a keyway.
- M. Clean Up: Manufacturer's installers shall work to minimize excessive adhesive on adjacent surfaces or play equipment. Spills of excess adhesive shall be promptly cleaned.
- N. Protection: TotTurf® Splash Tread safety surface shall be allowed to fully cure in accordance with Manufacturer's instructions. The surface shall be protected by the owner from all traffic during the curing period of 48 hours or as instructed by the manufacturer.
- O. Manufacturer's Services: For TotTurf® Splash Tread poured in place surfacing, a manufacturer's representative who is experienced in the installation of a playground safety surfacing shall be provided. The representative shall supervise the installation.
- P. Security & Waste Disposal: Surface installation crew shall be responsible for the protection of surface during the installation process while on site only. Owner or general contractor shall be responsible for the protection of the surface during the curing period upon completion of the installation and overnight during the installation. Owner or general contractor shall be responsible for having a dumpster on site for all waste and debris. Failure to provide security and a dumpster will result in additional cost.
- Q. Utilities & Access: Power and water must be available within 300 feet of installation. Site will require tractor-trailer access. In a case where tractor-trailer access is not possible, owner or general contractor shall be responsible for transporting materials from delivering carrier to the installation site.

END OF DOCUMENT