

## EVERPLAY "TORO-TAN" – Skate Surface Specification

### DESCRIPTION

EVERPLAY "Toro-Tan" is a poured in place recreation and play surface consisting of recycled rubber crumb and measured aggregate bound together with a polyurethane binder, then filled with a solvent free two-component polyurethane and topped with a solvent free two-component polyurethane and cast in place EPDM. The thickness of the EVERPLAY "Toro-Tan" can range from 32mm (1.25") to 40mm (1.5") depending upon the application. The unique installation techniques that have been developed by EVERPLAY over the past 30 years allow for variation in resilience as required by the application. EVERPLAY "Toro-Tan" contains polyurethane binders throughout the entire thickness of the system.

For purposes of accessibility, the surface must comply with all of the performance requirements for slope, gaps, etc. of the **CSA B651, Z614-14, Annex H, or the DOJ 2010 ADA Standards for Accessible Design.**

### TYPICAL USE

The EVERPLAY "Toro-Tan" is used as an outdoor play and recreation surface that is durable, resilient and water impermeable that is traversed with ice skates.

### COLOURS

EPDM coloured rubber crumb of red, green.

### SURFACE PREPARATION

The EVERPLAY "Toro-Tan" can be installed on compacted angular granular (¾" crushed stone with fines), asphalt or concrete bases. The base can be undulated or sloped up to 30 degrees within the installation area where these changes in grade are to be reflected through to the final EVERPLAY surface. For a compacted granular base, a geotextile is laid prior to the installation of the EVERPLAY "in situ".

### CONSTRAINTS

EVERPLAY "Toro-Tan" is normally installed in a temperature above 5 degrees C. However between 5 and -5 degrees C, a winter grade polyurethane must be utilized. The installation can take place during a light rain for the lower layer and the top layer there must be no rain.

### INSTALLATION PROCEDURE

#### 1.0 Base Preparation

- 1.1 Granular Base
  - 1.1.1 Granular base will consist of a split compactible granular (¾" crushed stone with fines) material. The granular base will be a minimum of 80mm (3") deep and compacted to 95% Proctor density. Local site conditions will dictate if additional granular is required.

Note: granular base should be installed in maximum 150mm (6") lifts, watered and compacted. Inspection by a representative of the owner during compaction would be beneficial.
  - 1.1.2 The granular base can be sloped up to 30 degrees or hills may be incorporated into the installation. Other than obvious undulations, the granular base must be smooth in the direction of the grade.
  - 1.1.3 The EVERPLAY thickness is consistent and therefore the base must also be consistent.
  - 1.1.4 A geotextile such as Terrafix 200R will be required over the compacted granular base.
- 1.2 Concrete or Asphalt Base

- 1.2.1 The concrete or asphalt must be smooth and of sufficient slope to allow water to drain from the installation.

## 2.0 Thickness of EVERPLAY

- 2.1 The thickness of the **EVERPLAY** "Toro-Tan" will be determined by the application. For ice skates the final thickness will be 32-40mm.

## 3.0 Installation

- 3.1 **EVERPLAY** "Toro-Tan" is only installed by qualified and authorized **EVERPLAY** installers with a minimum of ten years installation experience
- 3.2 The rubber crumb and polyurethane binder is generally mixed on site, however some projects will be more efficient and cost effective with the mixing being off site and utilized within the working time of the mixture.
- 3.3 **EVERPLAY** "Toro-Tan" contains polyurethane binders throughout its entire thickness.
- 3.4 The **EVERPLAY** "Toro-Tan" is installed with a mixture selected rubber granules and aggregate to a minimum thickness of 28mm.
- 3.5 Wire mesh is utilized in an athletic running track application and not required in other applications
- 3.6 The cured **EVERPLAY** "Toro-Tan" is prepared for the **Champ-Track FPU** with the application of a two-component pore filler.
- 3.7 Once the pore filler is installed, the **Champ-Track FPU** is installed with the EPDM granule cast into the surface.

## 4.0 Cutting

- 4.1 Since **EVERPLAY** "Toro-Tan" is a poured in place system, there will be no requirement for cutting.

## 5.0 Bevels/Transitions

- 5.1 Bevels/transitions will be required on installations where there is no fixed edge material and the base is either concrete or asphalt.
- 5.2 The **EVERPLAY** bevel/transition is installed at the perimeter of the **EVERPLAY** installation running from the thickness of the surface down to the thickness of the rubber crumb. The outside line of the bevel/transition must be clean and follow the designed edge of the installation.
- 5.3 For accessibility requirements see either the CSA B651, CSA Z614-14, Annex H, or the DOJ 2010 ADA Standards for Accessible Design.

## 6.0 Edging

- 6.1 Where the **EVERPLAY** is installed on a granular base, the perimeter of the installation should have either a curb or trenched termination.
- 6.2 Where the outside edge is concrete curb and on an accessible route a notch, a minimum of 50mm wide and 25mm high, shall be provided to provide long-term support for the **EVERPLAY** surface.
- 6.3 When installed on a hard base, it is the recommendation of **EVERPLAY** that all **EVERPLAY** installations have either a curb or **EVERPLAY** Bevel at all edges of the installation.

## WARRANTY – 5 year

Each **EVERPLAY** authorized installer warrants that the **EVERPLAY** "Toro-Tan" installed conforms to the formulations and standards of **EVERPLAY INTERNATIONAL INC.** This warranty is in lieu of any other warranties expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular use. To maintain the warranty in effect, the **EVERPLAY** maintenance procedures must be adhered to. Note that fading and wear of the pigment or painted surface are considered normal wear and tear. Not included is vandalism or other willful acts.

The sole and exclusive remedy of the buyer against the **EVERPLAY** authorized installer shall be for the replacement of the defective area for a period of five years from the time of installation. No other remedy,

including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental, or consequential loss, shall be available to the buyer or owner.

rmz Elastech Products Inc., the manufacturer of polyurethane binders (SF138, SF154, SF480) utilized in the **EVERPLAY** "Toro-Tan" system will be able to provide a certificate stating that the polyurethanes utilized in the **EVERPLAY** project are the same as those formulated and manufactured for use in the **EVERPLAY** "Toro-Tan" system since 1990. The binders utilized in the **EVERPLAY** "in situ" contain no latex.

The **EVERPLAY** surface will continue to meet the accessibility requirements with regard to gaps, slopes and changes in vertical height provided the problem is not related to a failure of the sub-base.

revised 5/15

**EVERPLAY** is a Registered Trade Mark of **EVERPLAY INTERNATIONAL INC.**



# ELASTECH products inc.

5915 Atlantic Dr., Unit 2, Mississauga, Ontario, Canada L4W 1S4  
phone (416) 670-2521 fax (416) 670-2599

02 530  
02 540



## POLYURETHANE PRODUCTS

### TORO-TAN

TRACK & FIELD

Your Partner  
For Sport & Play

RUNNING TRACK ON EXISTING WATER PERMEABLE BASE

U.S. Patent #4,492,728



Specification Sheet #TT-RE

Track surface options:

1. Champ-Track P.S.
2. Champ-Track W.P.
3. Champ-Track F.P.U.

Toro-Tan layer 30mm (1.2")

Wire Mesh (10x10x10/10)

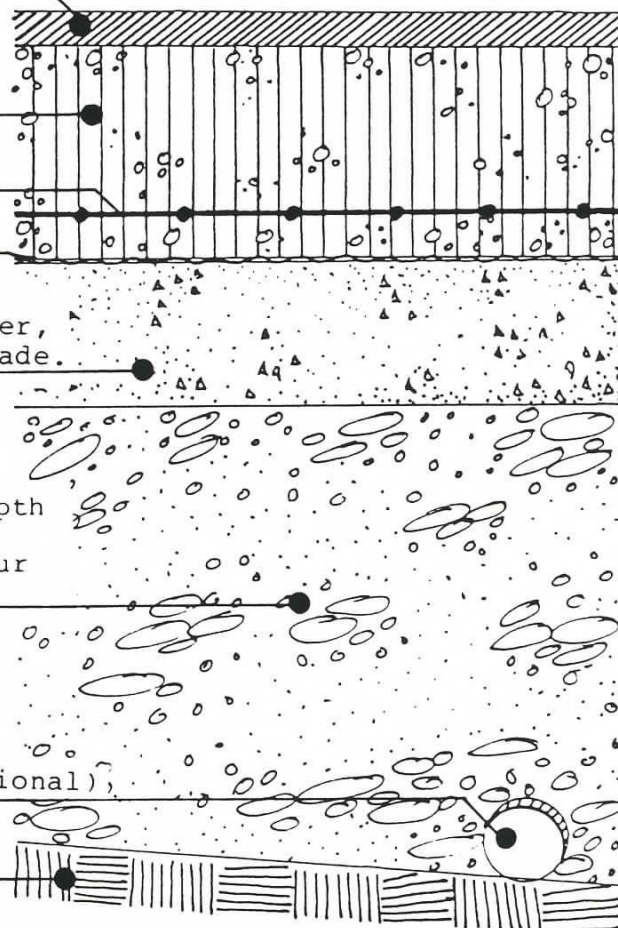
Geotextile filter cloth

Fine crushed granular levelling layer,  
depth is determined by the final grade.

Loosen the existing surface to a depth  
of 100mm (4"). Must have water  
percolation rate of 60 liters/M2/hour  
or 1.5 US gallons/ft2/hour.

French drain - perforate pipe (optional)

Undisturbed sub-soil



N.I.S.

© 1988 rmz Elastech Products Inc.

## a completely integrated system