

EVERPLAY "IN SITU" – Specification – Over existing synthetic surface

DESCRIPTION

EVERPLAY "in situ" is a poured in place recreation and play surface consisting of recycled rubber crumb bound together with a polyurethane binder. The thickness of the **EVERPLAY** "in situ" can range from 15mm (0.6") to 120mm (4.75") depending upon the application. The unique installation techniques that have been developed by **EVERPLAY** over the past 15 years allow for variation in resilience as required by the current standards. **EVERPLAY** "in situ" has been tested according to ASTM F-1292 for both Head Injury Criteria (HIC) and Gmax. **EVERPLAY** "in situ" contains polyurethane binders throughout the entire thickness of the system.

Since children in the 18 month to 5 year range are just beginning to understand their bodies and would not understand the ramifications of an impact with the surface, the **EVERPLAY** "in situ" for structures and swings for this age group shall have a Gmax <100 and HIC <650.

For the purpose of architectural specifications the **EVERPLAY** installed must meet the performance criteria of less than 125 Gmax and 700 HIC when tested according to ASTM F1292. Test results performed on the installed **EVERPLAY** using a Triax2000 instrument (conforming to the technical requirements of ASTM F1292-09) between 10 and 25 days of the installation will be required and **must confirm the Gmax of less than 125 and HIC of less than 700 from the tops of barriers, guardrails, swings and climbers.**

For purposes of accessibility, the surface must comply with all of the performance requirements for slope, gaps, etc. of the **CSA Z614-07, Annex H.**

TYPICAL USE

The **EVERPLAY** "in situ" is used as an outdoor play and recreation surface that is durable, resilient and water permeable. There can be circumstances where the existing playground surface has failed to meet ongoing requirements of playground standards or the playground structure is being removed and to avoid disposal cost, the existing synthetic surface is to remain in place.

COLOURS

The standard colour is Terra Cotta.

Upgrade colour is Green.

EPDM coloured rubber crumb of red, green, blue, brown or tan to provide solid colour or speckles.

Special UV resistant and flexible coloured laquers in red, green, grey or blue.

Special finishes with indoor/outdoor carpet or artificial turf.

SURFACE PREPARATION

The **EVERPLAY** "in situ" can be installed over an existing synthetic surface. Certain preparation to the existing synthetic surface will have to take place to ensure a successful installation.

CONSTRAINTS

EVERPLAY "in situ" 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.

INSTALLATION PROCEDURE

1.0 Base Preparation

- 1.1 Over existing synthetic surface without removal of the existing playground structure
 - 1.1.1 The height of the slide exits must be inspected to ensure that the depth of the new surface will not make the slide exit non-compliant to relevant standards.
 - 1.1.2 Remove a minimum of 500mm (20") of the existing surface from the perimeter down to the existing base (compacted granular, asphalt or concrete) .
 - 1.1.3 A trench 50mm (2") deep and 100mm (4") wide is dug into the existing granular base at the curb edge.
 - 1.1.4 The new cushion layer is placed within the perimeter cutout sloping up to the new surface depth, except for 100mm (4") from the curb which is filled with the wear course of the **EVERPLAY** surface. Note; Slopes as required for accessibility must be established and maintained.
- 1.2 Over existing synthetic with removal of the existing playground structures
 - 1.2.1 The height of the slide exits will not be a factor, however slopes for accessibility must be maintained.
 - 1.2.2 The existing playground structures are to be removed with as little disturbance to the existing surface and not allow for future heaving. The existing surface is then removed as necessary for the installation of the new play structure using either the inground or stringer method.
 - 1.2.3 Fill in any voids left in the existing synthetic surface to the top of the surface with compactable granular material.
 - 1.2.4 Where the existing curb is flush with the existing surface, sections 1.1.2 to 1.1.4 must be followed.

2.0 Thickness of **EVERPLAY**

- 2.1 The thickness of the **EVERPLAY** "in situ" will be determined by the application. Where the **EVERPLAY** "in situ" is to be installed for a playground surface, the thickness should be specified according to the CSA, ASTM and CPSC standards for playground surfacing. In any event the surface must be installed to a thickness that will provide a Gmax of less than 125 and HIC of less than 700 when the actual installation is tested with a Triax2000 instrument between 10 and 25 days after the installation. These tests must be performed and certification provided prior to the acceptance of the **EVERPLAY** installation. For all play structures, the drop height will be the top of all railings, guardrails and barriers. For climbers, the drop height will be the top of the climber. For swings the drop height will be the top of the suspending bar. For rocking or spring elements, the drop height shall be a minimum of 2 meters.

3.0 Installation

- 3.1 **EVERPLAY** "in situ" is only installed by qualified and authorized **EVERPLAY** installers with a minimum of three 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** "in situ" contains polyurethane binders throughout its entire thickness.

4.0 Cutting

- 4.1 Since **EVERPLAY** "in situ" 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.

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 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

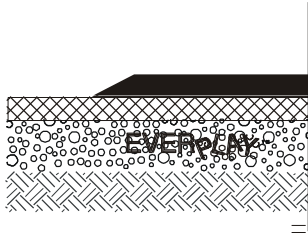
Each **EVERPLAY** authorized installer warrants that the **EVERPLAY** "in situ" installed conforms to the formulations and standards of **EVERPLAY INTERNATIONAL INC.** This warranty is in lieu of any other warranties expressed or implied, including, but not limited to any implied warranty of merchantability 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.

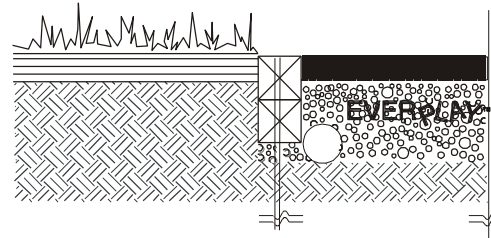
rmz Elastech Products Inc., the manufacturer of polyurethane binders (SF138) utilized in the **EVERPLAY** "in situ" system will be able to provide a certificate stating that the SF138 polyurethanes utilized in the **EVERPLAY** project are the same as those formulated and manufactured for use in the **EVERPLAY** "in situ" system since 1990. The binders utilized in the **EVERPLAY** "in situ" contain no latex. Utilization of the SF138 will allow for the maintained **EVERPLAY** surface to remain resilient and perform within the requirements of the ASTM F1292-09 for the warranty period when field tested with a Triax2000 instrument from the same drop heights and at the same locations tested at the time of the initial **EVERPLAY** installation. The results of the drop tests at time of installation must provide a G-max less than 125 and HIC less than 700 for the noted drop heights when field tested with a Triax2000 instrument. The performance of the maintained surface will be such as not to exceed a Gmax of 200 or HIC of 1000 from the original drop heights during the warranty period. For this warranty to be in effect, a plan outlining the locations, drop height and results must be forwarded to **EVERPLAY** International Inc. within 60 days of the initial **EVERPLAY** installation.

revised 4/11

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



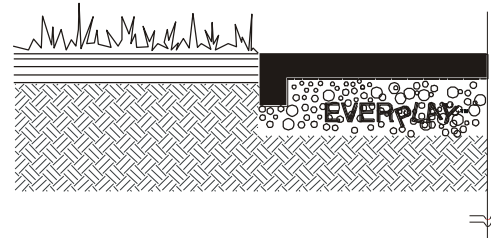
"IN SITU" INSTALLED OVER ASPHALT OR CONCRETE



TIMBER EDGE TREATMENT



ASPHALT OR CONCRETE EDGE TREATMENT



GRASS EDGE TREATMENT

- NOTES
1. EVERPLAY "IN SITU" THICKNESS INSTALLED IS SUCH TO PROVIDE
A $G_{max} < 150$ AND $HIC < 900$ FOR FALL HEIGHTS 3' TO 12'.
 2. TERRAFIX 200R
 3. COMPACTED GRANULAR TO 95% PROCTOR DENSITY.
 4. 4" DIAMETER DRAINAGE (OPTIONAL).
 5. FOR FURTHER DESIGN GUIDELINES SEE EVERPLAY "IN SITU"
TECHNICAL DESIGN AND INSTALLATION GUIDE
 6. COLOUR: STANDARD TERRA COTTA OR BLACK

