

Specification for EVERPLAY Accessible Route

The intent is to provide an impact absorbing surface that can be accessed by persons with disabilities in various modes of movement. It is recognized that the persons with disabilities may be more likely to fall and the requirements for impact attenuation are set to reflect this.

For the purpose of architectural specifications the **EVERPLAY** installed must meet the performance criteria of less than 150 Gmax and 850 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 F1292-04) between 10 and 25 days of the installation will be required and **must confirm the Gmax of less than 150 and HIC of less than 850.**

1.0 Base Preparation

- 1.1 Granular Base
 - 1.1.1 Granular base will consist of a split compactable granular (¾" crushed stone with fines) material. The granular base will be a minimum of 100mm (4") deep and compacted to 95% Proctor density. Local site conditions will dictate if additional granular is required. Any disturbed subsoil must be replaced with compacted granular. Where the granular is in layers greater than 150mm (6"), the compacting must be performed in layers.
 - 1.1.2 The granular base can be sloped up to 30 degrees from vertical at the edges of the accessible route. Other than obvious undulations, the granular base must be smooth in the direction of the grade.
 - 1.1.3 A geotextile such as Terrafix 200R will be required over the compacted granular base and down the sides of the accessible route.

2.0 Installation of EVERPLAY

- 2.1 EVERPLAY resilient base
 - 2.1.1 EVERPLAY resilient base shall be installed over the geotextile and provide consistent impact absorbing properties from edge to edge of the accessible route.
 - 2.1.2 The thickness of the EVERPLAY resilient base will vary according to the impact absorbing requirements of each area. 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. The impact requirements for the surface at the time of installation shall be Gmax <150 and HIC <850 from the drop height stipulated.
- 2.2 EVERPLAY top
 - 2.2.1 The EVERPLAY top coat shall be installed to a minimum thickness of 30mm using polyurethane binders and recycled tire rubber.
 - 2.2.2 The EVERPLAY top shall cover the entire surface and extend down the sides of the granular base to a minimum depth of 200mm (8")

3.0 Warranty

play and recreation surfaces EVERPLAY INSTALLATION INC.

- 3.1 The installed EVERPLAY surface shall have a warranty for 5 years stating that the maintained surface shall not exceed the Gmax of 200 or HIC of 1000 for the full period of the warranty period from the drop heights stipulated. Defects in materials or workmanship will be replaced during the warranty period.