EVERPLAY 18 Automatic Rd., Unit 12, Brampton, ON, Canada L6S 5N5 Tel: (416) 410-3056 Fax: (905) 494-1136

play and recreation surfaces **EVERPLAY INTERNATIONAL INC.**

PLAYMAT ACCESSIBLE ROUTE – Specification - Base

DESCRIPTION

PLAYMAT mats consist of bonded recycled rubber crumb bound together with a foam core and when used in conjunction with the **EVERPLAY** Rubber Timber can provide an accessible route through a loose-fill playground surface. The accessible route can be either a "T" from the entrance of the playground to the transfer platform or as the 1524mm (5') minimum width route through the entire playspace connecting ground level play components.

This specification shall be utilized in conjunction with the **EVERPLAY** International Inc. document "**EVERPLAY** PlayMat Instructions" for the termination to hard surfaces, cutting and assembly of the **PLAYMAT** mats as an accessible route. This specification provides information with regard to the preparation of the sub-base, base and the provision and installation of the **EVERPLAY** rubber timbers.

Typical Use

The Americans with Disabilities Act, Architectural Barriers Act and Annex H of the CSA Z614-07 set requirements for the performance of the Accessible Route. The **PLAYMAT** can be used to meet these requirements within a playground that is intended to have loose-fill protective surfacing.

One of the requirements of the accessible route within the use zone of the playground structures will be, to meet the requirements for impact attenuation as laid out in the ASTM F1292 and CSA Z614. The PLAYMAT route will meet these requirements when tested with a Triax2000 to these standards.

Constraints

The sub-base and base should be installed under conditions that will not compromise the function of this part of the project. The running and cross-slope of the base shall mirror final grade for the accessible, which must meet the requirements of the appropriate standard.

INSTALLATION PROCEDURE

1.0 Base Preparation

1.1 The sub-base must have not any voids and be compacted to 95% SPD and graded to the mirror the contours of the final surface.

1.2 A geotextile, Terrafix 200R or equal is placed over the prepared sub-base.

1.3 Granular base will consist of a split compactable granular (3/4" crushed stone with fines) material. The granular base will be a minim um of 80mm (3") and compacted to 95% Proctor density. Local conditions will dictate if additional granular is required.
Note: the granular base installation shall be inspected and confirmed for meeting the requirements of this specification.

1.4 A geotextile, Terrafix 200R or equal, will be installed over the compacted granular base.

1.5 The depth of the granular base from finished grade is determined by the expected final settled depth of the loose-fill surface.

2.0 Installation of EVERPLAY rubber timbers

2.1 The perimeter of the accessible route is laid out in the geotextile.
2.2 The EVERPLAY rubber timbers are placed along the perimeter of the accessible route.
2.3 A 300mm (12") long wooden 2x4 is placed at 600mm (24") on either side and at the bottom of the EVERPLAY rubber timber. A minimum 150mm (6") spike is driven through the wood and into the base and sub-base to secure the rubber timber to remain in place during the installation process.
2.4 The top of the rubber timber will be 50mm (2") below the final grade of the accessible route.
2.5 A brace will be placed across the tops of the rubber timbers, at regular intervals, to ensure they remain vertical and in place during the placement of the materials that are filled between the rubber timbers as a base for the PLAYMATS.
2.6 The tops of the rubber timbers are covered with plastic to ensure that they remain clean until the EVERPLAY adhesive is applied to adhere the PLAYMATS.

3.0 Installation of base

3.1 For fall heights under 1220mm (4')

3.1.1 The compactable split granular material (3.4" crushed stone with fines) is installed in maximum 150mm (6") lifts. Each lift is compacted to 95% SPD, with the final grade of the compacted base being flush with the tops of the rubber timbers

3.2 For fall heights between 1220mm and 3650mm (4' and 12')

3.2.1 The compactable split granular material (3.4" crushed stone with fines) is installed in maximum 150mm (6") lifts. Each lift is compacted to 95% SPD with the final grade of the compacted base being 100mm (4") from the tops of the rubber timbers
3.2.2 SMARTE bags are placed beside each other and between the rubber timbers allowing for some looseness and not bunching of the bags. The bags are place uniformly in a brick style pattern.
3.2.3 The SMARTE bags are placed as close as possible to fixed objects, however any open space left between posts and bag edges will be filled with loose rubber chunks.
3.2.4 Loose rubber chunks 10-12mm (3/8-1/2") are placed into all voids between bags and to a thickness of 25mm (1")
3.2.5 The surface of loose rubber over the bags is compacted with a vibrator plate compactor. There will need to be a hard surface placed between the loose rubber and the compactor to facilitate this operation.
Note: Once the compaction is complete, care must be taken to not disturb the smooth rubber. This can be done by placing cardboard on the rubber to facilitate traversing the surface during the installation of the PLAYMATS.
3.2.6 The PLAYMATS are cut and assembled as per the documentation in "EVERPLAY PlayMat Instructions".
3.2.7 EVERPLAY adhesive is applied to the top of the rubber timbers and the PLAYMAT is brought into firm contact with the rubber timber.

4.0 Cutting

4.1 The PLAYMAT is cut using an exacto type knife.
4.2 Determine the line of the cut through accurate measuring.
4.3 When cutting, the edge should be protected through the use of a metal straight edge.
4.4 When cutting, Kevlar or steel mesh gloves must be worn

5.0 Cleaning

5.1 The tools used for the installation of the PLAYMAT can be cleaned with gasoline once the installation is complete. Care must be taken not to have the gasoline come in contact with the PLAYMAT Mats. **Note**: Gasoline is flammable and should be used with caution.

6.0 Materials and Tools

6.1 The following materials will be required:

PLAYMAT Mats	PLAYMAT adhesive
EVERPLAY rubber timbers	plastic sheeting
2x4 wood	bracing material
geotextile	mason line

6.2 The following tools will be required:

square	exacto knife & blades
Kevlar or steel mesh gloves	vibrating plate compactor

WARRANTY

PLAYMAT warrants that the PLAYMAT Mats listed in this specification conform 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. These mats are always to be used in conjunction with engineered wood fiber that is properly maintained and kept to the appropriate level below and above the PLAYMAT. To maintain the warranty in effect, the PLAYMAT maintenance procedures must be adhered to. Note that fading and wear of the pigment or painted surfaces are considered normal wear and tear. Not included is vandalism or other willful acts.

The sole and exclusive remedy of the buyer against EVERPLAY International Inc. shall be for the replacement of the Mat for a period of two years from the time of purchase. Mats must be returned to the factory at the cost of the installer 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.
Revised 02/10